

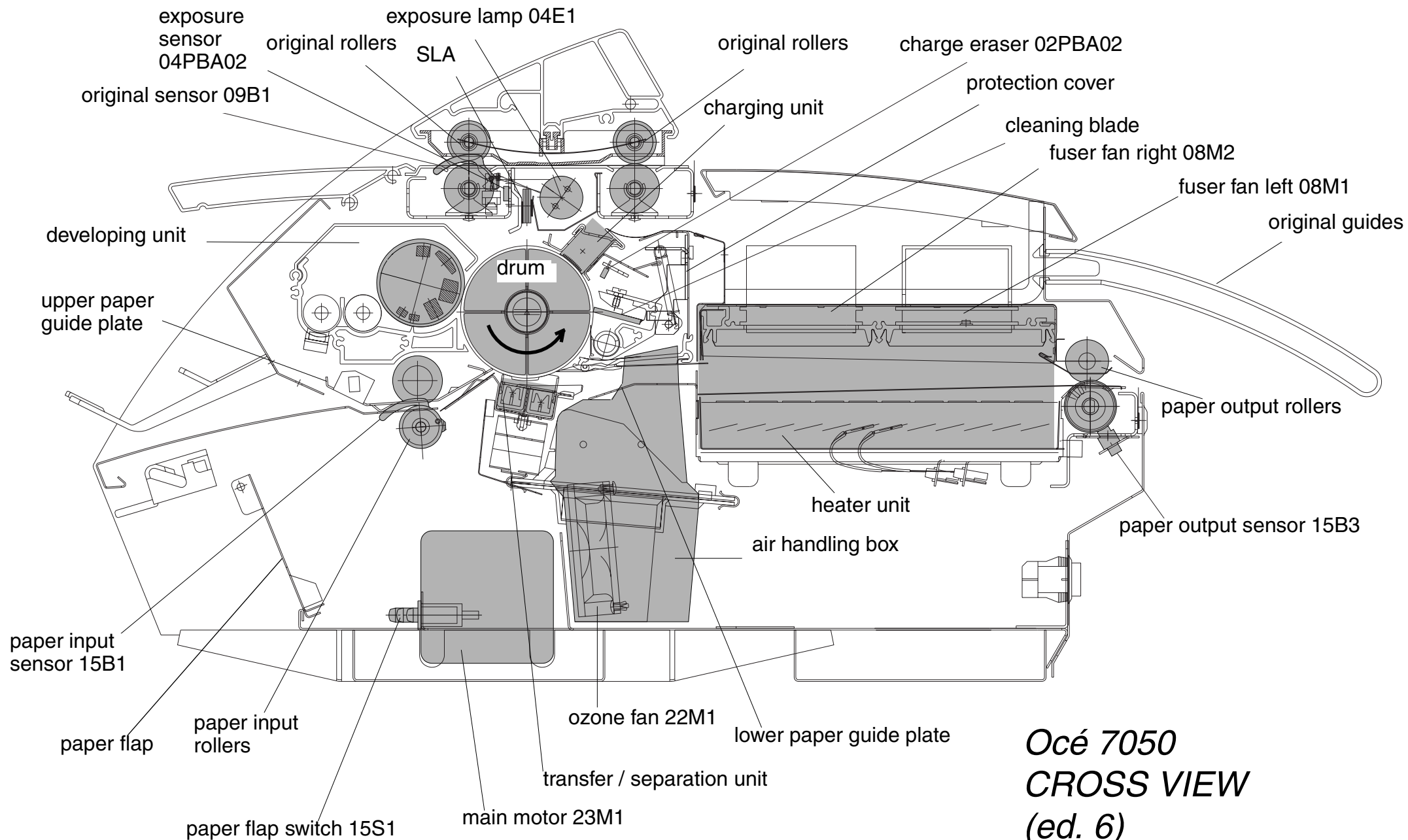
Océ 7050

Technical Service Manual

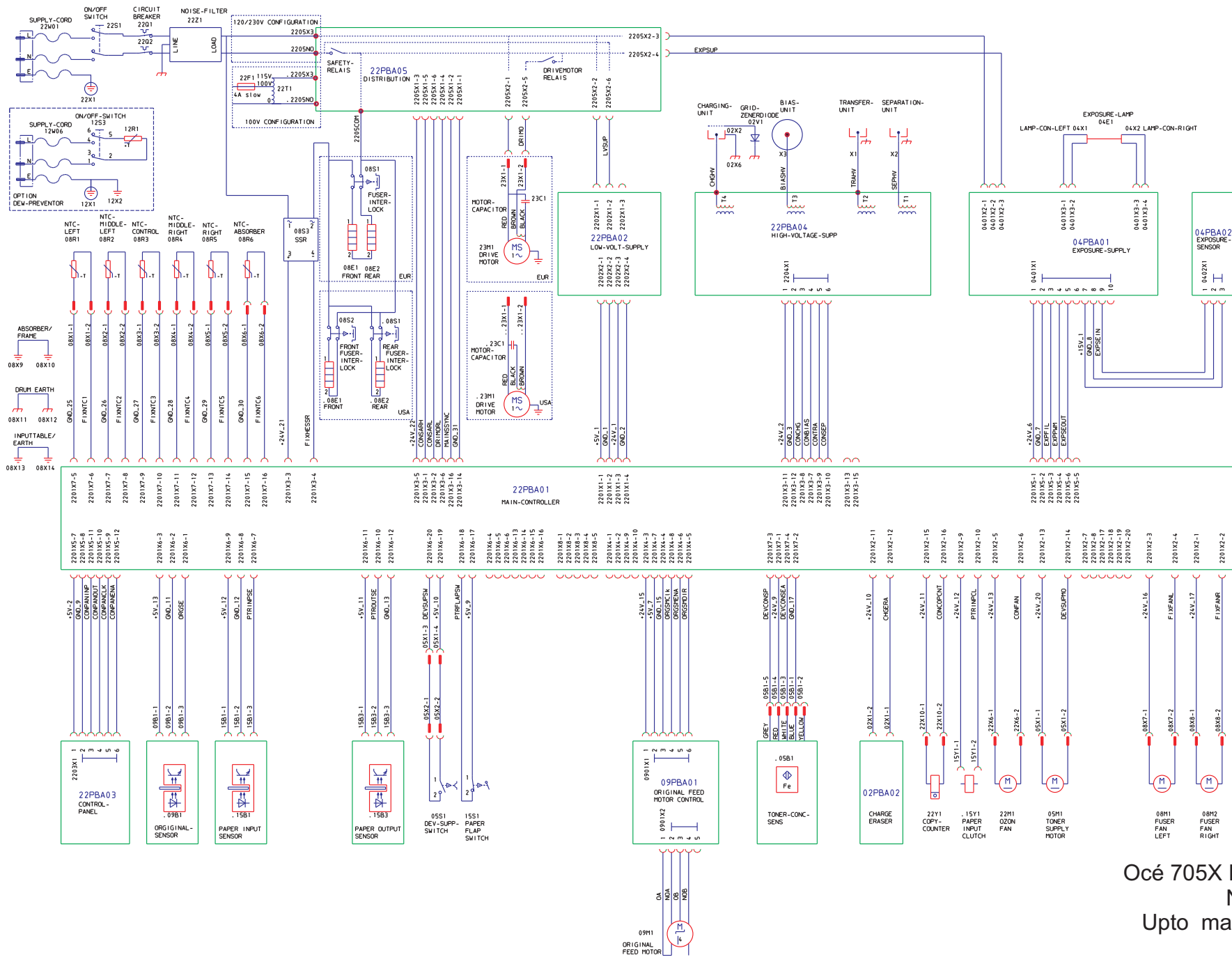


Codenummer TSM Océ 7050

0910310	Complete T.S.M. 7050	GB
0909914	A5 binder 30 mm	
0900310	Source Documentation 7050	GB
0109242	CAS-C 7050	GB
0900319	Diagrams	
0109634	Parts List 7050	
0909934	Tabs A5 func. level 1 / 25 New	



Océ 7050
CROSS VIEW
(ed. 6)

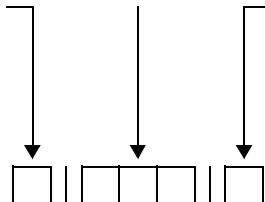


DE PPC-2 (Océ 940, Océ 7050, Océ 7150/950, Océ 7600/974)

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Symptoms

- General copy quality
- Image position/deformation/size
- Spots/stripes/pul-lution



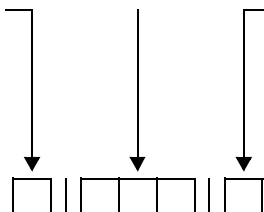
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- Replace (defec-tive)
- Installation (miss-ing part)
- Adjust,correct

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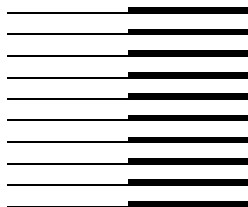
Symptoms

- 1 General copy quality
- 2 Image position/deformation/size
- 3 Spots/stripes/pul-lution



Actions

- 1 Replace (life time)
- 2 Replace (defec-tive)
- 3 Installation (miss-ing part)
- 4 Adjust,correct



Technical Service Manual Océ 7050



Preface





Technical Service Manual
Océ 7050



Preface



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Preface

This publication is and remains the property of Océ-Nederland B.V.

The information it contains is confidential and is solely intended as a personal aid for service personnel in carrying out service activities on the Océ equipment described in this publication.

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1 TSM information

Why should you use the Technical Service Manual Océ 7050 ?

The TSM Océ 7050 is one of the tools you will need for your work. It will enable you to meet customer requirements better, quicker and in a clearly structured and accessible way. The TSM provides you with information you will require for installing and carrying out corrective and preventive maintenance on this machine.

At whom is the TSM Océ 7050 targetted ?

This TSM has certainly not been written as a teach-yourself manual. During the Océ 7050 service training course you will learn to use and interpret the TSM in such a way that you can work quickly and efficiently. The service training course also gives you an opportunity to broaden your knowledge on how the machine functions. The TSM and service training course are closely linked. Participating in a service training course without using the TSM is just as incomplete as using the TSM without having learnt how to use and interpret it in a service training course. The compilers of the TSM hope that you will find adequate information so that you can do your work quickly, correctly and with a continuing sense of satisfaction.

Feedback

Naturally, this TSM is always open to improvement. It is not unlikely that you may find imperfections and/or errors. Océ would be grateful if you would inform ITC (International Training Centre) in Venlo of any errors, imperfections or suggestions for improvement. You can do this as follows:

This chapter contains a Document Change Request Form (DCRF). Copy this Form and enter any remarks you may have about this manual. Send the DCRF to the Technical Co-ordination department. This department will inform the International Training Centre-Service. The address is:

Océ-Nederland B.V.

For the attention of:

Manager International Training Centre - Service

Postbus 101

5900 MA Venlo

2 General warnings

We would like to draw your attention to the general warnings, summarized on this page. You will find specific warnings further on in the TSM in the descriptions of operations that have to be carried out in dangerous circumstances.

- Avoid damaging PBA's via electrostatic discharges. You should wear the wristband, code no. 7991.320 and use the antistatic mat, code no. 7991.322.
- AVOID ELECTRIC SHOCKS! Switch off the power supply to the machine and remove the mains plug from the wall socket if the machine does not need to be on when you are working on it.
- AVOID MOVING PARTS! When you remove the panels from the machine, make sure that you do not get your fingers caught between moving parts such as chains, cogs and gear belts.
- This equipment must be earthed.
- Always ensure that wall sockets and power switches are easily accessible.
- A blown fuse does not guarantee a powerless situation.
- When replacing a mains cable or mains plug, only use components which comply with local regulations.

3 Notation conventions

Note

A "Note" provides information that is essential for a correct functioning of the machine. It may also offer useful advice about its operation.

Warning

A "Warning" provides information that can prevent the product (copy, original, the copier etc) from being damaged.

Caution

A "Caution" provides information that prevents you from suffering personal injury.

Approx.

Whenever a measurement is indicated with the expression approximately or approx., non calibrated measuring instruments can be used.

4 Functional test

After every service visit a functional test must be done:



- Make a copy of a typical original used by the customer.
- Show the copy to the customer.
- The customer must agree that the machine is performing according to his expectations and within the machine specifications laid down in this Technical Service Manual.

5 Edition review

EDITION	DATE	CHAPTER	SECTION
ed. 1	December 1994	All	All
ed. 2	January 1995	All	All
ed. 3	May 1995	All	All
ed. 4	September 1997	Cas-C	All
		Preface	All
		Installation	All
		Faults	All
		05 Developing	Functional description
		09 Originals	Functional description
		12 Paper roll feed	Adjustments
		25	All
		Preventive maintenance	All
ed. 5	Oktober 1997	Note: <i>This edition was not published in English</i>	
ed. 6	April 2001	All	All
		Except the Cas-C card	

6 Safety data

Contact your local technical coordinator for the latest safety data sheets.

		ITC DOCUMENTATION CHANGE REQUEST FORM			
Requested by :		Country :			
Approved by :		Department :			
		Tel :			
DOCUMENT TO BE CHANGED					
Manual:			Edition:		
Write brief description of the changes requested					
Chapter / page		Changes			
Please use print-script to fill-out this form for error free handling					
Please attach extra pages if necessary		SIGNED:		DATE:	
Technicians send this request form to:		Technical Coordination Department			
Technical Coordination please send this request form to:		Océ - Nederland B.V. Attn. of: Manager International Training Centre - Service P.O. Box 101 5900 MA Venlo The Netherlands			

8 Current status sheet

CAS-C	ed. 4							
CHAPTER	TOC	SECTION						
Preface	ed. 6	ed. 6						
		INS						
Installation	ed. 6	ed. 6						
	TOC							
Faults	ed. 6	ed. 6						
Functions	TOC	DIAG	SDS	ADJU	DISA	FUNC	ELEC	COMP
01	ed. 6				ed. 6			
02	ed. 6				ed. 6	ed. 6		
04	ed. 6			ed. 6	ed. 6	ed. 6		
05	ed. 6			ed. 6	ed. 6	ed. 6		
06	ed. 6				ed. 6	ed. 6		
07	ed. 6				ed. 6			
08	ed. 6			ed. 6	ed. 6	ed. 6		
09	ed. 6			ed. 6		ed. 6		
12	ed. 6			ed. 6	ed. 6	ed. 6	ed. 6	
15	ed. 6			ed. 6	ed. 6	ed. 6		
22	ed. 6				ed. 6	ed. 6		ed. 6
23	ed. 6			ed. 6	ed. 6			
	TOC	25						
25	ed. 6	ed. 6						
	TOC	Prev. maintenance						
Preventive maint.	ed. 6	ed. 6						
Electical diagram	ed. 5(upto 705025000/705530000) ed. 6 (from 705025000/705530000)							
Cross view	ed. 6							
Parts list	ed. 6							



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Installation





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Installation



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Installation

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- 2 Stand installation 7

Dismantling

- 3 Necessary parts 8
- 4 Procedure 8

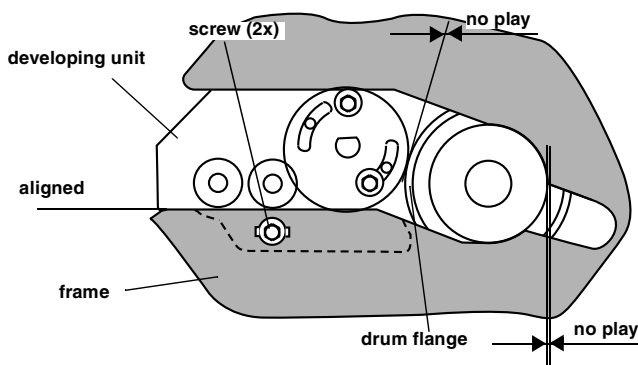
Installation

1 Machine

- 1 Take the machine from the pallet.
- 2 Remove the transport reinforcement bars from the stand.
- 3 Open the left cover.
- 4 Remove the waste-toner bag.
- 5 Remove the black plastic cover at the left-hand side (3 screws).
- 6 Open the right side cover (3 screws).
- 7 Remove at the left and right side the cable ties from the upper feed assembly.
- 8 Remove the cardboard protections from the exposure lamp 04E1 on both sides.
- 9 Mount the lamp connectors. Make sure that the wires do not touch any movable parts.
- 10 Connect the connector to the control panel 22PBA03.
- 11 Open the fuser unit and remove the protection material at the left and right hand sides.
Note: *Make sure that:*
The heater is down at the rear side.
The heater connectors are correctly placed.
The wiring of the heaters does not touch any movable parts.
The high voltage wiring of the high voltage supply 22PBA04 does not touch any movable parts.
- 12 Disconnect the toner concentration sensor 05B1 (left-hand side).
- 13 Disconnect connector 05X1 (toner supply motor 05M1 left hand side).
- 14 Remove the toner dosage unit (1 screw).
- 15 Loosen the 2 screws in the protection cover (see the cross view).
- 16 Lift the protection cover and turn it to the rear.
- 17 Disconnect the bias connector from the developing unit (right hand side).
- 18 Lower the paper feed table.
- 19 Remove the original feed table (1 screw at the right).
- 20 Remove the protection cover of the developing unit.
- 21 Remove the left and right brackets (2 screws).
- 22 Remove the 2 screws (left and right) from the developing unit (see drawing on the next page).
- 23 Slide the developing unit to the front and remove it.
- 24 Put the developing unit on a flat surface with the upper lid open.

- 25 Pour the developer evenly into the unit while turning the left gear of the developing roller clockwise by hand (right-hand side).
- 26 Close the upper lid.
- 27 Remove the drum drive belt (right hand side).
- 28 Slide off the toothed belt pulley from the drum.
- 29 Slide the drum to the front and put it in the groove.
- 30 Remove the protection sheet from the drum.
- 31 Slide the drum back into its original position.
- 32 Mount the toothed belt pulley to the drum (watch the pin).
- 33 Mount the drum drive belt.
- 34 Place the developing unit so that it is aligned onto the frame (See figure).

Note: *Keep the developing unit in a horizontal position!*



- 35 Replace both the screws hand tight.
- 36 Make sure that at the right side there is no play between:
 - The developing unit and the drum flanges (See figure)
 - The drum flanges and the frame (See figure)
 - It must not be possible to move the drum.
- 37 Tighten the screw at the right.
- 38 Repeat steps [36](#) and [37](#) for the left side.
- 39 Check by hand that there is no play between the developing unit and the drum.
- 40 Connect the toner concentration sensor 05B1.
- 41 Place the toner dosage unit
- 42 Connect connector 05X1 (toner supply motor 05M1).
- 43 Mount the black plastic cover at the left hand side (3 screws).
- 44 Place the 2 stickers on the black plastic cover.
- 45 Place the waste-toner bag.
- 46 Connect the bias connector from the developing unit.

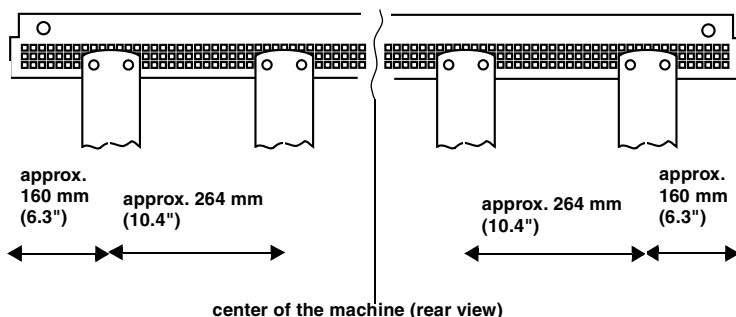
- 47 Mount the left and right brackets.
 - 48 Mount the developing unit protection cover.
 - 49 Mount the original feed table (1 screw).
 - 50 Move the paper feed table upwards.
 - 51 Close the right side cover (3 screws).
 - 52 Close the left side cover.
 - 53 Lift the protection cover and turn it to the front (put it in the groove).
- Note:** Take care not to damage the seal.
- 54 Tighten the 2 screws of the protection cover.
 - 55 Close the fuser unit.
 - 56 When you are installing an Océ 7055/56, you must connect the cable between the basic machine and the roll unit.

Note: Don't forget the tie wraps and earth connection

Toner sensor voltage adjustment

(see [‘Toner sensor voltage adjustment \(upto machine 705025000/705530000\)’ on page 301](#) and see [‘Toner sensor voltage adjustment \(from machine 705025000/705530000\)’ on page 302](#))

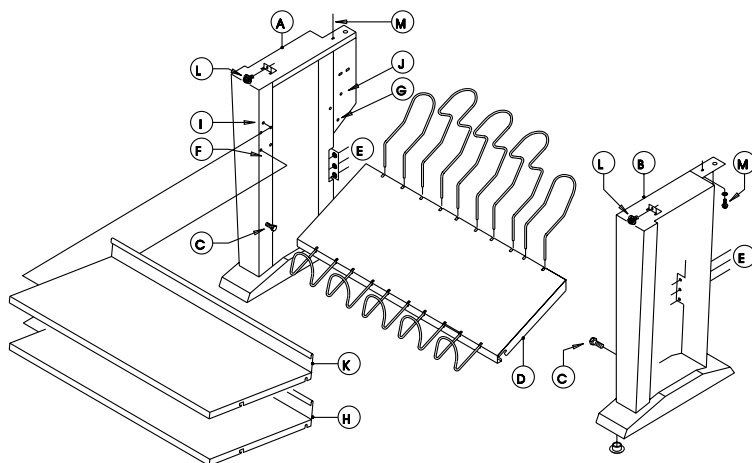
- 57 Put the I-booklet in the holder and remove the pages which are not relevant for this model.
- 58 Mount the paper guide strips below the copy exit. (See drawing)



- 59 Mount the original guides.
- 60 Ask the key operator to add toner.
- 61 Select the country setting Europe or USA with SDS test +0, -1 (See Faults [page 29](#)).
- 62 Select the roll unit configuration (one roll or two rolls) with SDS test +4, 0, -1 (See Faults [page 35](#))
- 63 Make the following adjustments:

- 04 Exp. [301 “Exposure maximum level”](#)
 - 04 Exp. [302 “Exposure zero level”](#)
 - 09 Ori. [301 “Image enlargement”](#)
 - 15 Pap. [301 “Head margin manual feed”](#)
 - 08 Fix. [301 “Fusing temperature for polyester film”](#)
- 64** When you are installing an Océ 7055/7056, you also must do the following adjustments:
- 12 Pap. [301 “Paper feed roller correction”](#)
 - 12 Pap. [301 “Lead sensor position correction”](#)
 - 12 Pap. [302 “Headmargin roll feed”](#)
 - 12 Pap. [303 “Paper feed”](#)
- 65** Check the copy quality with the test chart. (See 09 Ori. [page 502](#)).

2 Stand installation



- 1 Put the support-assy 'A' and 'B' on the floor.
- 2 Mount 2 hexagon washer bolts (M4x12) in holes 'C' from the support assys 'A' and 'B'.
- 3 Mount the plate assy 'D'. (Hook the slotted holes over screws 'C').
- 4 Hand tight the plate assy 'D' with 6 hexagon washer bolts (M4x12) in holes 'E' at the rear side.
- 5 Mount the screws 'F' and 'G' (both sides) hand tight.
- 6 Mount shelf 'H' over the screws.
- 7 Mount the screws 'I' and 'J' (both sides) hand tight.
- 8 Mount shelf 'K' over the screws.
- 9 Place the basic machine on the support-assys 'A' and 'B'.
- 10 Fix the machine with 2 hexagon washer bolts (M4x12) at the front in holes 'L' and 2 hexagon bolts (M4x8) with washer and star washer in holes 'M' underneath at the rear.
- 11 Tighten all the screws.

Dismantling

3 Necessary parts

- 1 pallet and material to tighten the machine onto the pallet
- 2 transport reinforcement bars
- 3 3 Cable ties
- 4 tape
- 5 protection material for the fuser
- 6 cardboard protections for the exposure lamp
- 7 protection sheet for the drum

4 Procedure

- 1 Remove the developer from the developing unit
- 2 Place the protection sheet for the drum.
- 3 Lock the upper feed assembly with two cable ties.
- 4 Place the cardboard protections between the lamp holder and exposure lamp at both sides.
- 5 Place the protection material between the absorber and frame in the fuser unit.
- 6 Roll up the main cable and fasten it with a cable tie.
- 7 Tape the cable onto the absorber.
- 8 Mount the transport reinforcement bars.

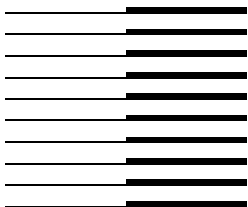


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Faults





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Faults



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- 2 Roll unit 15

Error codes

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- 4 Error description 18

SDS

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- 7 Measuring the drum current 37

Copy quality

1 Basic machine

White copy

possible cause	action / remark
grid / corona wire connected to ground corona wire not connected	■ measure charge current (See Faults page 37). ■ pollution ■ static hair ■ aluminium chip ■ end of grid wire too long (max. 2.5 mm)
high voltage supply 22PBA04	measure charge current (See Faults page 37).
transfer / charge contacts failure	measure current (See Faults page 37).
developing unit does not turn	gear disconnected
drum drive gear does not turn	■ drum drive belt loose or broken ■ pin missing
original fed in face-up	face down
last 12 cm white copy	connectors charge and transfer corona on HV-PBA interchanged

Light copy

possible cause	action / remark
exposure setting incorrect	check jumper J4 see 'Exposure maximum level' on 04 see page 301
toner concentration incorrect	<ul style="list-style-type: none"> ■ run SDS test -2,+1 (See Faults page 26) ■ no toner supply (unit) ■ transport spring has stuck ■ check toner supply motor 05M1 ■ check toner supply switch 05S1 ■ toner sensor cleaning flap loose ■ connector loose ■ add toner
position of the magnet roller	check position of the eccentrics (See 05 dev. 304 adj. 4)
developer supply spirals do not turn	check gear
charging unit mis-aligned	check pressure blocks
stray light	check lamp guard
developing unit loose	position correctly
bias voltage too high	measure bias voltage on high voltage supply 22PBA04 TP1 (-200V DC \pm 4V)
electrical connection of the developing unit not correct	measure bias voltage on high voltage supply 22PBA04 TP1 (-200V DC \pm 4V)
exposure setting	check operator panel
wrong toner	check / compare
transfer failure	paper too humid / condition
maximum light	<ul style="list-style-type: none"> ■ exposure sensor 04PBA02 is covered. ■ jumper on exposure supply 04PBA01 in the wrong position (See figure 04 Exp. page 301)

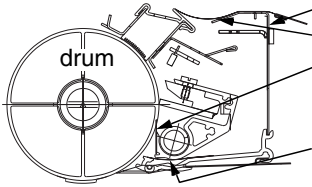
Dark or black copy

possible cause	action / remark
drum not grounded	check contact (irregular black / white)
exposure lamp 04E1 off	■ check lamp ■ scour lamp connectors
sunlight falls on the exposure sensor 04PBA02	first 3 cm of the leading edge is dark. instruct the operator and re-position the machine
open-circuit between grid and grid zener diode 02V1	measure the resistance

Image too dark

possible cause	action / remark
incorrect distance between drum and magnet roller	check the position of the eccentric 05 Dev. 304 adj. 4
bias voltage too low	■ developing unit connected to ground ■ measure bias voltage on high voltage supply 22PBA04 TP1 (-200V DC \pm 4V)
grid not connected	■ drum current too high (See Faults page 37) ■ grid zener diode 02V1 open
developer not correct	replace developer (See 05 Dev 403 adj. 2).
background can not be exposed	concentration too high: ■ check 05 ' Toner sensor voltage setting ' on page 303 ■ replace developer

Dirty copy

possible cause	action / remark
drum humid 	<ul style="list-style-type: none"> ■ too cold, make copies ■ protection cover open / place in groove ■ flap protection cover damaged / replace ■ seal cleaning unit/ profile not correct / replace ■ isolation mat fuser not correct ■ used without original guides ■ seal
stains / wrinkles in copy	compare with original
faulty drum	replace drum
greasy stains	clean the drum (See Maintenance page 8).
new drum (white smears in background)	only the first few copies
re-printing	clean output rollers with cleaner K
cleaning blade not correct	check springs and cleaning blade
seal cleaning unit not aligned	replace
separation not correct	measure the separation current (See Faults page 37)
toner lumps / carrier (white spots)	check in black area on polyester film / replace
paper too humid	use paper with the correct humidity

Uneven background in feed direction

possible cause	action / remark
grid polluted	See Maintenance 7 “Cleaning the charging unit”
SLA polluted	clean with cleaner O
original glass polluted	see Maintenance 7 “Cleaning the original glass”
pressure plate polluted	clean with cleaner A
first few copies made with a new drum	make some more copies
charging unit mis-aligned	check pressure blocks
height of the charging corona wire	put it in the groove
developing unit not level	correct
distance between drum and magnet roller not uniform	check the position of the eccentrics (See 05 Dev 304 adj. 4)
exposure lamp not correctly mounted	See 04 Exp 401 adj. 1
lamp guard not straight	press on plate
charge eraser 02PBA02 (partly) defect	check with SDS test -3, +1 (See Faults page 25).
toner added too late	instruct the operator
side cover open	close and instruct operator

Uneven background perpendicular to the feed direction

possible cause	action / remark
developing unit occasionally short-circuited to ground	measure bias voltage on high voltage supply 22PBA04 TP1 (-200V DC \pm 4VDC) the lid of dev. unit is not closed and touching the frame
cleaning blade vibrates	check glue / springs
drum occasionally not grounded	clean / measure drum current (See Faults page 37).
wobbling developing roller	stripes every 5 cm
grid occasionally short-circuited to ground	see Faults 3 “White copy”
synchronisation failure	check 23 Drive 301 adj. 1, 2, 3
light intensity changes	<ul style="list-style-type: none"> ■ check exposure supply 04PBA01 ■ check exposure control ■ check exposure sensor 04PBA02 with SDS test +2, -4 (See Faults page 33)

Black stripes in feed direction

possible cause	action / remark
dirty grid	See Maintenance 7 “Cleaning the charging unit” , check cleaning blade
pick-off pawl	scratch on drum / replace pick-off pawl
wires fuser	extremely curled paper
dirty output rollers	clean with cleaner K
air handling	See Faults 6 “Dirty copy” (irregular scratches)
dirty original glass / SLA	See Maintenance page 7 / clean with cleaner O
cleaning blade damaged	check for chips / hair
drum is scratched	check scraper / brush / cleaning blade
deposit on the drum	clean the drum (See Maintenance page 8)

White stripes in feed direction

possible cause	action / remark
absorber foil not in position	check foil
dirty corona wire	see Maintenance page 7
wires fuser	extremely curled paper
dirty output rollers	clean with cleaner K
air handling	See Faults 6 “Dirty copy” (irregular scratches)
developing unit polluted	check toner brush
deposit on the drum	clean the drum (See Maintenance page 8)

Black stripes perpendicular to the feed direction

possible cause	action / remark
developing unit connected to ground	measure bias voltage on high voltage supply 22PBA04 TP1 (-200V DC \pm 4VDC)
cleaning blade vibrates	check glue / springs
drum occasionally not grounded	clean / measure drum current (See Faults page 37)
light intensity changes	<ul style="list-style-type: none"> ■ check exposure supply 04PBA01 ■ check exposure setting ■ check exposure sensor 04PBA02

White stripes perpendicular to the feed direction

possible cause	action / remark
drum occasionally not grounded	clean / measure drum current (See Faults page 37)
grid short-circuited to ground	<ul style="list-style-type: none"> ■ pollution, clean (See Maintenance page 7) ■ stainless steel hair ■ aluminium chip ■ end of grid wire too long (max. 2.5 mm)
light intensity changes	<ul style="list-style-type: none"> ■ check exposure supply 04PBA01 ■ check exposure setting ■ check exposure sensor 04PBA02 with SDS test +2, -4 (See Faults page 33)

Bad fusing

possible cause	action / remark
material too humid	compare with wrapped material
“Copy material selection” button in the wrong position	check “paper ↔ film”
material too thick	check specifications
fuser fans always on	check with SDS test -3, +0. (See Faults page 25)
equalizer in absorber not level	check on air leakage
absorber foil leakage	check with SDS test -3, +0. (See Faults page 25)
side foam leakage	check with SDS test -3, +0. (See Faults page 25)
air handling	check with SDS test -3, -2. (See Faults page 25)
wrong toner	compare
lower paper guide plate not correctly positioned	check / jammed paper
heaters partly not used (short-circuit)	check each heater ($\pm 11 \Omega$)

Image out of focus

possible cause	action / remark
SLA not positioned against the stop	see 04 Exp page 402
SLA slant on bracket	compare measurement left and right / replace
image deformed	make sure that the SLA is straight / replace
original glass not correctly positioned	position on SLA bracket and rear plate
pressure plate not correctly positioned	make sure the pressure plate is straight and that it can move freely
transparent original	check with opaque original
generation copy	check with test original
transfer failure	make sure that the upper paper guide plate is against the drum flange (See 15 Pap. 301 adj. 2)
extreme curl rear side	check with flat paper
transfer current too high	check corona wire position
synchronisation failure	check 23 Drive 301 adj. 1, 2, 3
filing strip thicker than original	
extremely creased original	check with test original

Ghost image

possible cause	action / remark
only with transparent original	check with opaque original
pressure plate not flat	check / replace

Residual image

possible cause	action / remark
bad transfer	<ul style="list-style-type: none"> ■ check residual image on the drum ■ measure the transfer current (See Faults page 37).
spring of the cleaning unit loose	check
cleaning blade not correctly positioned	check glue connection
no charge erasing (charge eraser 02PBA02)	check with SDS test -3, +1. (See Faults page 25)
original longer than copy material	check
after a copy which went wrong	check / make new copies

Pollution on the back of the copy

possible cause	action / remark
after re-printing	clean the output rollers with cleaner K
duplex copying	dissuade / clean
head margin not correctly adjusted	only at the leading edge. Adjust see 15 Pap. 301 adj. 1

Leading edge shifted

possible cause	action / remark
head margin not correctly adjusted	adjust see 15 Pap. 301 adj. 1
copy material not correctly positioned	repeat / check
original not correctly positioned	repeat / check
original slips	check
clutch slips / polluted	clean / replace
material not within specs / curl	check specs. material kind, thickness See Func. 25
material type	film ↔ paper

Image enlargement not correct

possible cause	action / remark
image enlargement not correctly adjusted	adjust. See 09 Org. 301 adj. 1

Shaky image

possible cause	action / remark
tension of the drum drive belt	adjust. See 23 Drive 301 adj. 2
tension of the drive belt of the original rollers	adjust. See 23 Drive 301 adj. 1
tension of the main drive belt	adjust. See 23 Drive 302 adj. 3
static discharge of the original	clean original glass (See maintenance page 7)
upper guide plate not in position	see 15 ' Upper paper guide plate position ' on page 301

Wrinkles

possible cause	action / remark
creased feeding	white stains, instruct operator

Jams

possible cause	action / remark
copy material too short	minimum length: 420 mm
fed in with curl pointing upwards	instruct the operator to feed in the material with the curl pointing downwards
pick off pawl	not positioned correctly
transfer unit fingers	bend
fuser output rollers	clean with cleaner K
lower paper guide plate	position correctly
fuser guides	position correctly
fuser wires	clean
plush output plate	not positioned correctly
material width > 36"	instruct operator
skewed feed	skewed leading edge when using long copies
separation not correct	measure the separation current (See Faults page 37)
material too humid	condition
output sensor 15B3 does not detect paper motion	<ul style="list-style-type: none"> ■ material has dog ears ■ O-ring gone ■ check free rotation
copy material too thick	check

Original skew

possible cause	action / remark
static charge of the original glass	Clean original glass and pressure plate with cleaner A
Supports (Z-0400-20) not mounted	mount (8x)
Top cover has axial play	<ul style="list-style-type: none"> ■ Fill up with a ring ■ advice: use Mod.4

2 Roll unit

Skewed cutting of the paper

possible cause	action / remark
knife does not cut fast enough	clean the 6 guide wheels of the knife unit (especially when the width is 914 mm)
dog-eared paper	■ check 12 PAP 303 adj. 5 and 6 ■ check bulge
paper jam at the bulge fingers	■ check 12 PAP 303 adj. 5 and 6 ■ check bulge

Length variations

possible cause	action / remark
paper transport	clean
feed rollers	clean
paper not within specification	instruct operator

frayed cut

possible cause	action / remark
linear knife has a burr	replace
linear knife not correctly positioned	correct

Error codes

3 General

The errors in the Océ 7050/51 and the Océ 7055/56 can be subdivided into the following categories:

FE Fatal Error

A fatal error is an error in the control mechanism. The correct functioning of the control mechanism is not guaranteed after a fatal error. f.i.:

- (EP) ROM defect
- RAM defect

MRE Machine recoverable error

Machine recoverable errors are errors in the system and can normally not be remedied by the operator. The operator can only try to restart the machine. In some cases when an MRE is repeatedly detected, a service call will be generated.

ORE Operator recoverable error

Operator recoverable errors are errors that can be remedied by the operator without switching off the machine. Examples of ORE's are: paper path errors, original path errors and cover errors.

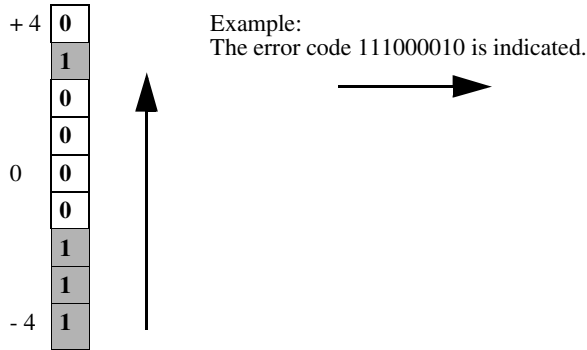
WAR Warnings

A warning is a safety mechanism intended for the operator. The machine will operate correctly. The copy quality will deteriorate if no action is taken.

In the following table you see these 4 categories and the way the operator can recognize what type of error has occurred:

Error type	Indication for the Océ 7050/51 operator	Indication for the Océ 7055/56 operator
FE (Fatal Error)	No indication. Total stop.	
MRE (Machine Recoverable Error)	<ul style="list-style-type: none"> ■ PAPER PATH LED is continuously ON ■ EXPOSURE LED's flash and indicate which type of MRE has occurred 	<ul style="list-style-type: none"> ■ PAPER PATH LED is continuously ON ■ A 4 digit error code flashes and indicates which type of MRE has occurred
ORE (Operator Recoverable Error)	a flashing PAPER PATH LED	An E-code indicates which type of ORE has occurred (see also the i-booklet)
Warning	a flashing TONER LED (add toner)	

When you enter SDS, all errors are indicated by means of the exposure LED's.
 "1" is indicated by LED ON
 "0" is indicated by LED OFF



In the next chapter you will find a detailed description of every possible MRE and ORE.

4 Error description

MRE's

indication for the operator		indication in SDS	Cause of the MRE	Action
7050/51	7055/56	-4 ⇒ +4		
	Control errors			
flashing exp. LED +4	2201	100000001	The safety relay K1 is de-activated	<ul style="list-style-type: none">■ Check NTC's■ Check control■ Check wiring
	2202	100000010	The safety relay K1 is activated when it should not be	<ul style="list-style-type: none">■ Check safety relay K1 on distribution 22PBA05■ Check distribution 22PBA05
	2205	100000011	incorrect EEPROM value	<ul style="list-style-type: none">■ Check EEPROM■ Check settings
	Toner errors			
flashing exp. LED -4	0501	100100001	Extreme value of toner sensor voltage (TONER_SE)	<ul style="list-style-type: none">■ Check toner concentration sensor 05B1■ Check wiring■ Check main controller 22PBA01 (See 22 Con. page 401)
	Exposure errors			
flashing exp. LED 0	0401	101000001	exposure sensor voltage (EXP_SE) does not react or is de-activated after switching on the exposure	<ul style="list-style-type: none">■ Check exposure supply 04PBA01 (fuse)■ scour lamp connectors■ Check exposure lamp 04E1■ Check exposure sensor 04PBA02 with SDS test +2, -4 (See Faults page 33)■ Check wiring■ Check main controller 22PBA01 (See 22 Con. page 401)

indication for the operator		indication in SDS	Cause of the MRE	Action
7050/51	7055/56	-4 ⇒ +4		
	Fuser errors			
flashing exp. LED +2	0801	110000001	The correct fuser temperature is not reached within a specific time	<ul style="list-style-type: none">■ Check front fuser 08E1 and rear fuser 08E2■ Check main controller 22PBA01 (See 22 Con. page 401)■ Check NTC's
	0802	110000010	Within 10 sec the fuser must have reached a temperature of 100 °C	<ul style="list-style-type: none">■ Check NTC's■ Check heaters 08E1 08E2■ Check main controller 22PBA01 (See 22 Con. page 401)■ Wires SSR 08S3 interchanged (See 08 Fus. page 402).
	0803	110000011	Fuser temperature higher than 330 °C	<ul style="list-style-type: none">■ Paper in the fuser■ SSR 08S3 switched on continuously■ Check main controller 22PBA01 (See 22 Con. page 401)
	0809 0810 0811 0812 0813 0814	110001001 110001010 110001011 110001100 110001101 110001110	an NTC indicates a temperature which is too high NTC left NTC middle left NTC control NTC middle right NTC right NTC absorber	<ul style="list-style-type: none">■ Check wiring■ Check corresponding NTC To check: disconnect the indicated NTC and connect it to a multimeter to measure the resistance. Run SDS test -1, 0. There must be a uniform decrease (from 1.5 Mohm to 700 kohm) of the resistance. If this is the case, the fuser can be causing the problem <ul style="list-style-type: none">■ Check main controller 22PBA01■ Short-circuit
	0817 0818 0819 0820 0821 0822	110010001 110010010 110010011 110010100 110010101 110010110	an NTC indicates a temperature which is too low NTC left NTC middle left NTC control NTC middle right NTC right NTC absorber	

indication for the operator		indication in SDS	Cause of the MRE	Action
7050/51	7055/56	-4 ⇒ +4		
Counter errors				
flashing exp. LED -2	2203	111000001	No feedback from COUNTER	<ul style="list-style-type: none"> ■ Check copy counter 22Y1 ■ Check wiring
	2204	111000010	COUNTER is energized when it should not be	<ul style="list-style-type: none"> ■ Check main controller 22PBA01 (See 22 Con. page 401)
Automatic roll feed errors				
Not applicable	1201		Communication error between copier and automatic roll feed	
	1202		When moving the knife from right to left, knife sensor left 12B1 is activated within 200 msec	<ul style="list-style-type: none"> ■ Check with SDS test -4, -4, -2 (See page 37) ■ Check sensor ■ Check wiring
	1203		When moving the knife from left to right, knife sensor right 12B2 is activated within 200 msec	<ul style="list-style-type: none"> ■ Check with SDS test -4, -4, -1 (See page 37) ■ Check sensor ■ Check wiring

ORE's

indication for the operator		Cause of the ORE	Action
7050/51	7055/56		
Basic machine			
a flashing PAPER PATH LED	E0	<ul style="list-style-type: none">■ Copy material removed during run■ STOP button pressed during a job■ Original feed problem	<ul style="list-style-type: none">■ Remove original■ Remove paper■ Check paper path■ Check sensors■ Instruct the operator
	E1	Paper feed table open	<ul style="list-style-type: none">■ Close paper feed table■ Check paper flap switch 15S1■ Check main controller 22PBA01 (See 22 Con. page 401)
	E2	Copy material too short	Instruct the operator
Automatic roll feed			
Not applicable	E3	<ul style="list-style-type: none">■ lead sensor 12B3 is activated when it should not be■ knife did not cut correctly■ paper shreds■ paper feed timing error■ roll unit feeds paper when it should not	<ul style="list-style-type: none">■ Instruct operator■ Paper clipping between sensor and knife■ Check the O-cord■ knife motor 12M3 connectors loose or inter-changed■ Check 12 PAP 302 adj. 4■ Check paper path■ Instruct operator
	E4	flap or drawer opened during the run	Check switches
	E5	out of paper	
	E98	Communication error	
	E99		

WARNING

flashing ADD TONER LED	The ADD TONER LED flashes while there is sufficient toner	<ul style="list-style-type: none">■ Check wiring toner supply motor 05M1 (red = +)■ Check the operation of the toner supply switch 05S1
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SDS

5 General

The purpose of the Service Diagnostic System (SDS) is to support the service technician in identifying the causes of errors and to provide information on the errors themselves. It is also an important tool for adjustments and installation.

The SDS tests are sub-divided into the following categories:

input tests	Faults page 25
separate output tests	Faults page 25
combined output tests	Faults page 26
special tests	Faults page 27
adjustments	Faults page 29
error loggings	Faults page 32
ADC tests	Faults page 33
copy mode	Faults page 34
roll unit test mode	Faults page 34

Entering SDS

- 1 Press the “LIGHTER” and “DARKER” buttons at the same time and switch on the machine.
 - The LED’s on the operating panel go ON in a specific sequence. You are now in the panel test. (For a more detailed description of the panel test see SDS test -1, +2. Faults [page 28](#)).
- 2 Press the “STOP” button.
 - You now leave the panel test. Now the last occurred MRE is indicated by the exposure LED’s. (For the meaning of the indicated error code, see Faults [page 18](#))
- 3 Press the “STOP” button.
 - You now are in level 0.

SDS tests classification

Level 0

- In level 0 you select a test group and go to level 1.

Level 1

- In level 1 you select a specific test from a test group and go to level 2.

Level 2

- In level 2 the selected test is activated.

Level 3

- Level 3 is only used when you activate an automatic roll feed test

Operating the SDS


BUTTONS	
<DARKER>	to make a selection.
<LIGHTER>	
<COPY MATERIAL>	to activate (confirm) a selection.
<STOP>	to deactivate a selection
LED's	
PAPER PATH	These LED's indicate a specific location in SDS. PAPER PATH is ON when a test is active.
ADD TONER	
PAPER	
FILM	
EXPOSURE	



At an Océ 7055/7056 most of the SDS values are indicated in the display. These values can be changed with the + and - buttons. Do not forget to confirm a change with the <COPY MATERIAL> button.



Leaving SDS



Switch the machine OFF and ON



6 SDS test description



Level code indication:				
 film paper				
Level 0 0000	Level 1 n.a.	Level 2 1000	Description	Remarks
-4 input test		+4	no function	
		+3	no function	
		+2	no function	
		+1	no function	
		+0	toner supply switch 05S1	DEVSUPSW
		-1	paper flap switch 15S1	PTRFLAPSW
		-2	paper output sensor 15B3	PTROUTSE
		-3	paper input sensor 15B1	PTRINPSE
		-4	original sensor 09B1	ORGSE
Level 0 0000	Level 1 n.a.	Level 2 1001		
-3 separate output test		+4	exposure filament	EXPFIL
		+3	toner supply motor 05M1	DEVSUPMO (short time!!)
		+2	safety relay K1	CONSARL
		+1	charge eraser 02PBA02	CHGERA (short time!!)
		+0	fuser fan left 08M1, fuser fan right 08M2	FIXFAN
		-1	copy counter 22Y1	CONCOPCNT
		-2	ozone fan 22M1	CONFAN
		-3	paper input clutch 15Y1	PTRINPCL (turn the roller to check)
		-4	main motor 23M1 + bias	DRIMO, CONBIAS

Level code indication:				
  film paper				
Level 0 0000	Level 1 0010	Level 2 1010	Description	Remarks
-2 combined output test	+4	+4	no function	
	+3	+3	no function	
	+2	+2	lamp ON, Light intensity can be adjusted with the LIGHTER / DARKER buttons	EXPPWM
	+1	+1	Toner regulation to get correct developer mix. Connect voltmeter between TP1 and TP4 on main controller 22PBA01 and wait for ± 5 minutes.	
	+0	+0	separation, transfer	CONSEP, CONTRA
	-1	-1	transfer	CONTRA
	-2	-2	toner sensor voltage adjustment	
	-3	-3	lamp ON and separation	EXPPWM used for exposure max. level
	-4	-4	charging	CONCHG

Level code indication:				
<div><div></div><div></div><div>film paper</div></div>				
Level 0 0000	Level 1 0011	Level 2 1011	Description	Remarks
-1 special test	+4	+4	no function	
	+3	+3	no function	
	Upto machine 7050 25000			
	+3 From machine 7050 25000 7055 30000	+4	output voltage +1V	Refers to the output voltage of the CPU board. This the input voltage for the toner sensor. min.: 1V max.: 15V default: 7V
		+3	output voltage +0.5V	
		+2	output voltage +0.1V	
		+1	output voltage +0.05V	
		0	no function	
		-1	output voltage -0.05V	
		-2	output voltage -0.1V	
		-3	output voltage -0.5V	
		-4	output voltage -1V	

Level code indication: <div>   <div>film paper</div> </div>				
Level 0 0000	Level 1 0011	Level 2 1011	Description	Remarks
-1 special test	+2	+2	panel test	
			There is no level 1 and level 2. All LED's light up in a specific sequence. When a button is pressed, the pressed button is indicated by an exposure LED. Pressing the STOP button brings you to level 0. The relation between a pressed button and the exposure LED's is indicated below:	
		+4	lighter	
		+3	darker	
		+2	copy material	
		+1	correction	
		+0	no function	
		-1	trailing edge +	
		-2	trailing edge -	
		-3	number of copies +	
		-4	number of copies -	

Level code indication:				
				film paper
Level 0 0000	Level 1 0011	Level 2 1011	Description	Remarks
+0 adjustment	+4	+4	default settings	influences: ■ copy size ■ head margin ■ exp. zero level ■ set-point fixing temperature for film (4.5 or 3.5 mils)
	+3	+3	no function	
	+2	+2	no function	
	+1	+1	polyester film 4.5 mils	set-point fixing temperature for film
		-1	polyester film 3.5 mils	
	+0	+4	head margin +1 mm	Refers to the head margin of the paper. This SDS test only influences the head margin for roll feed. First the adjustment for head margin manual feed has to be done. min.: -10 mm max.: +10 mm default: 0 mm
		+3	head margin +0.75 mm	
		+2	head margin +0.5 mm	
		+1	head margin +0.25 mm	
		+0	no function	
		-1	head margin -0.25 mm	
		-2	head margin -0.5 mm	
		-3	head margin -0.75 mm	
		-4	head margin -1 mm	
	-1	+1	country setting USA	
		-1	country setting Europe	



Level code indication:				
  film paper				
Level 0 0000	Level 1 0100	Level 2 1100	Description	Remarks
+0 adjustment	-2	+4	copy size +10	every puls is 1 (mm/m) min.: 150 mm/m max.: -150 mm/m default: 0
		+3	copy size +5	
		+2	copy size +2	
		+1	copy size +1	
		+0	no function	
		-1	copy size -1	
		-2	copy size -2	
		-3	copy size -5	
		-4	copy size -10	
	-3	+4	head margin +1 mm	Refers to the head margin of the paper. This SDS test only influences the head margin for manual feed. min.: -15 mm max.: +15 mm default: 0 mm
		+3	head margin +0.75 mm	
		+2	head margin +0.5 mm	
		+1	head margin +0.25 mm	
		+0	no function	
		-1	head margin -0.25 mm	
		-2	head margin -0.5 mm	
		-3	head margin -0.75 mm	
		-4	head margin -1 mm	

Level code indication:





film paper

Level 0	Level 1	Level 2	Description	Remarks
	-4	+4	exp. zero level +2.50%	min.: 8.00% max.: 52.10% default: 20%
		+3	exp. zero level +1.00%	
		+2	exp. zero level +0.25%	
		+1	exp. zero level +0.05%	
		+0	no function	
		-1	exp. zero level -0.05%	
		-2	exp. zero level -0.25%	
		-3	exp. zero level -1.00%	
		-4	exp. zero level -2.50%	



Level code indication: <div>   <div>film paper</div> </div>				
Level 0 0000	Level 1 0101	Level 2 1101	Description	Remarks
+1 error logging	+4	+4	reset error list	for the meaning of the error code, see Faults page 16
	+3	+3	no function	
	+2	+2	no function	
	+1	+1	no function	
	+0	+0	no function	
	-1	-1	no function	
	-2	-2	the last but two occurred MRE's	
	-3	-3	the last but one occurred MRE	
	-4	-4	last occurred MRE	




Level code indication:










film paper

Level 0	Level 1	Level 2	Description	Remarks																						
0000	0110	1110																								
+2 ADC test	In level 1 a specific ADC channel can be chosen. The digital value of this channel is indicated by the exposure LED's as follows:																									
	<table> <tr> <th>LED</th> <th>Value</th> </tr> <tr><td>exp +4</td><td>+1</td></tr> <tr><td>exp +3</td><td>+2</td></tr> <tr><td>exp +2</td><td>+4</td></tr> <tr><td>exp +1</td><td>+8</td></tr> <tr><td>exp 0</td><td>+16</td></tr> <tr><td>exp -1</td><td>+32</td></tr> <tr><td>exp -2</td><td>+64</td></tr> <tr><td>exp -3</td><td>+128</td></tr> <tr><td>exp -4</td><td>+256</td></tr> <tr> <td colspan="2">total</td> </tr> </table>		LED	Value	exp +4	+1	exp +3	+2	exp +2	+4	exp +1	+8	exp 0	+16	exp -1	+32	exp -2	+64	exp -3	+128	exp -4	+256	total			
	LED	Value																								
	exp +4	+1																								
	exp +3	+2																								
	exp +2	+4																								
	exp +1	+8																								
	exp 0	+16																								
	exp -1	+32																								
	exp -2	+64																								
	exp -3	+128																								
	exp -4	+256																								
	total																									
	+4	+4	no function																							
	+3	+3	no function																							
	+2	+2	no function																							
+1	+1	no function																								
+0	+0	no function																								
-1	-1	no function																								
-2	-2	NTC absorber temp	°C																							
-3	-3	toner conc. sensor	ADC value (0-255)																							
-4	-4	exposure sensor	ADC value (0-255) Check with a flash light																							

Level code indication:				
<div>   <div>film paper</div> </div>				
Level 0 0000	Level 1 0111	Level 2 n.a.	Description	Remarks
+3 copy mode	In this mode you make copies without toner. 9 copies can be made. There is no level 2.			
	-4		Toner sensor de-activated	
Level 0 0000	Level 1 0001	Level 2		<p>The START LED will be ON, when the roll unit test is selected.</p> <p>See the next tables for a description of the roll unit tests</p>
+4 roll unit tests	+4	+4	no function	
	+3	+3	no function	
	+2	+2	no function	
	+1	+1	no function	
	0	0	roll unit adjustments goto page 35	
	-1	-1	roll unit special test goto page 36	
	-2	-2	no function	
	-3	-3	roll unit separate out- put test goto page 36	
	-4	n.a.	roll unit input test. goto page 37	

Level code indication:					
					film paper
Level 2	Level 3	Description	Remarks		
10100	11100				
0 roll unit adjust-m ents	+4	no function			
	+3	no function			
	+2	no function			
	+1	no function			
	0	no function			
	-1	roll unit configuration	1 = 1 roll 2 = 2 rolls Default 1	PLUS: to increment, MIN: to decrement COPY MATE- RIAL: to confirm	
	-2	lead sensor correction	To compensate for variations in the distance between the activating of the lead sensor 12B3 and the upperside of the knife from 1 - 100 mm. Default 1 mm		
	-3	paper length correction lower roll	To compensate for tolerances of the diameter of the feed rollers. Adjustable between 500 - 2000. Default = 1000		
-4	paper length correction upper roll				

Level code indication:				
   film paper				
Level 2	Level 3	Description	Remarks	
10011	11011			
-1 roll unit special test	+4	no function		
	+3	no function		
	+2	no function		
	+1	no function		
	0	no function		
	-1	cut A3 from the lower roll		
	-2	cut A1 from the lower roll		
	-3	cut A3 from the upper roll		
	-4	cut A1 from the upper roll		
Level 2	Level 3			
10001	11001			
-3 roll unit sepa- rateout- put test	+4	no function		
	+3	no function		
	+2	no function		
	+1	no function		
	0	no function		
	-1	no function		
	-2	select drive motor upper roll 12M1 or drive motor lower roll 12M2	Relay K4-2A and K3-2A on the roll unit control PBA 12PBA01 are activated / de-activated to select the driver motor (FEDMOSEL)	
	-3	knife motor 12M3	knife motor movement to the right	
	-4	knife motor 12M3	knife motor movement to the left	

Level code indication:			
  			
		film	paper
Level 2 n. a.	Level 3 11000	Description	Remarks
-4 roll unit input test	+4	no function	always off
	+3		
	+2		
	+1	lower roll empty sensor 12B5	
	0	upper roll empty sensor 12B4	
	-1	knife sensor right 12B2	
	-2	knife sensor left 12B1	
	-3	lead sensor 12B3	
	-4	door switch upper roll 12S1 door switch lower roll 12S2	

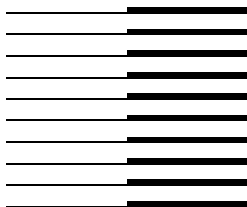
7 Measuring the drum current

When your Amp. meter is sensitive enough, it is possible to measure the drum currents.

- 1 Behind the left cover, you will see a wire connecting the drum to ground.
- 2 Disconnect the connector of this wire and connect your Amp. meter between the drum and ground.
- 3 According to the table below you can now measure several drum currents.

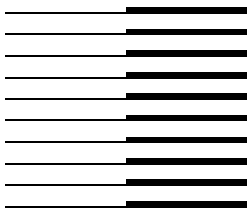
Current	SDS test	Value
charge	-2, -4 (See Faults page 26)	30-45 μ A DC
transfer	-2, -1 (See Faults page 26)	54-88 μ A DC
transfer + separation	-2, 0 (See Faults page 26)	7-25 μ A DC
separation	-2, -3 (See Faults page 26)	45 -70 μ A AC

Note: Do **not** forget to re-connect the ground wire to the drum!!!!



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Photoconductor



Contents


Disassembly

1 Drum replacement 401

Disassembly

1 Drum replacement

A new drum is delivered as an assembly. For monitoring the drum lifetime and the reasons for replacement, a Drum Reporting Card is included in each drum box. Fill out the installation and removal information. The drum number is located behind the pin. Return the card to SPS-ES via your local coordinator.

Drum reporting card		Record-code	<input type="text"/>
Drum number		<input type="text"/>	
Machinetype	Machinenumber		
<input type="text"/>	<input type="text"/>		
Installation	Date	<input type="text"/>	
		dd - mm - yy	
Counter		<input type="text"/>	
Removal	Date	<input type="text"/>	
		dd - mm - yy	
Counter		<input type="text"/>	
Reason of removal			
Damaged during transport	1		
Scratches	2		
Mechanical failure	3		
Copy quality failure	4		
Others (state why)	9		
Country	Branch	Technician	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
Card to be returned to Service Product Support DE			

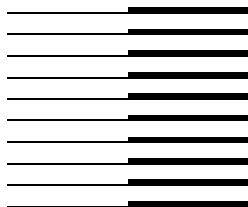
Drum handling

The organic photoconductor drum (OPC drum) is very sensitive to light, temperature, and corrosive gasses. Please observe the following cautions when handling the OPC drum:

- Never expose the drum to sunlight.
- Never expose the drum to excessive light.
- Never touch the drum surface with your bare hands. When the drum surface has been touched with bare hands or when it is dirty, wipe it with a dry cloth.
- Store the drum in a cool and dry place away from heat.
- Handle the drum carefully because the OPC layer is thin and easily damaged.
- Never expose the drum to corrosive gasses.

Drum removal

- 1** Remove the developing unit (See 05 DEV [page 401](#)).
- 2** Remove the drum drive belt.
- 3** Slide off the toothed belt pulleys from the drum.
- 4** Slide the drum to the front and put it in the groove.

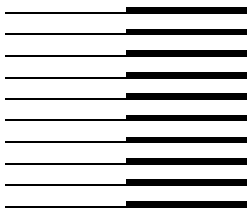


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Charging





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Disassembly

- 1 Charging unit 401
- 2 Air handling box 401
- 3 Grid wire of the charge unit and grid zener diode 02V1 402

Functional description

- 1 Charging 501
- 2 Air handling 501

Disassembly

1 Charging unit

- 1 Open the left cover.
- 2 Open the right cover.
- 3 Open the fuser unit.
- 4 Loosen the 2 screws in the protection cover .
- 5 Lift and turn the protection cover to the rear.
- 6 Remove the 2 pressure blocks.
- 7 Disconnect the charge connector from the charge unit (right side).
- 8 Disconnect the ground connector and eraser connector from the charging unit (left side).
- 9 Take out the charging unit.

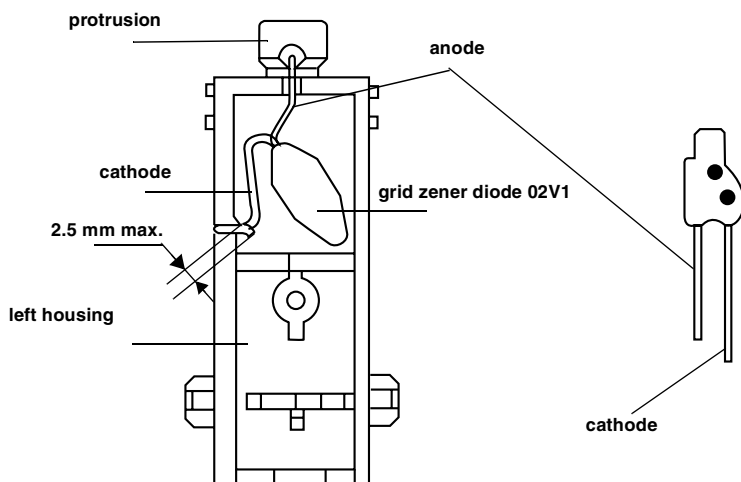
Note: *When placing the protection cover in its working position, make sure that you do not bend the 2 ridges.*

2 Air handling box

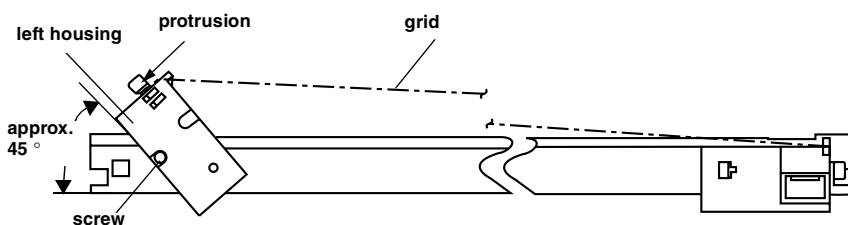
- 1 Remove the cleaning unit (See 07 Clea [page 401](#)).
- 2 Remove the protection cover.
- 3 Remove the heater section (See 08 Fus [page 402](#)).
- 4 Remove the heater unit support.
- 5 Push the paper flap to the rear (loosen 2 screws).
- 6 Loosen the connector of ozone fan 22M1.
- 7 Remove the plate over the air handling box.
- 8 Take out the air handling box and the lower paper guide plate

3 Grid wire of the charge unit and grid zener diode 02V1

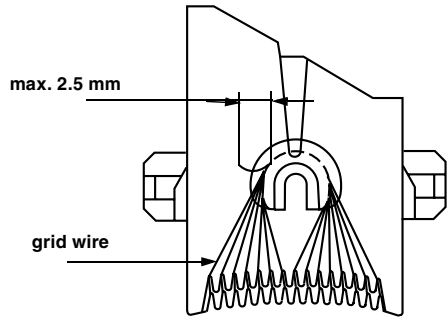
- 1 Put the grid zener diode 02V1 into the left housing.



- 2 Put the anode through the hole in the protrusion.
- 3 Put the cathode through the hole in the side cover and fold it inwards
- 4 Cut both ends. (max. length of the ends 2.5 mm).
- 5 Place the charging unit as indicated in the figure.



- 6 Position the left housing at an angle of approx. 45 ° by blocking the left housing with the screw.
- 7 Insert the grid wire through the hole in the protrusion of the left housing.
- 8 Wrap the grid wire 5 times around the protrusion of the left housing.

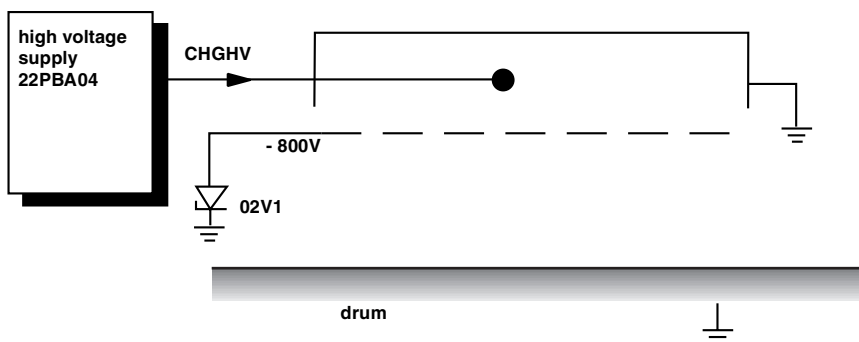


- 9 Wind the grid wire 15 times between the left and right housing from the outside inwards. Position the grid wire in the toothed bridges.
 - Make sure that the wires are positioned parallel.
- 10 Wrap the grid wire 5 times around the protrusion of the right housing.
- 11 Insert the grid wire 3 times through the hole in the protrusion of the right housing and make a knot each time.
- 12 Remove the screw from the left housing and push the left housing backwards.
- 13 Position the screw to block the left housing.
- 14 Cut both ends of the grid wire.
 - Make sure that the ends are max. 2.5 mm.
- 15 Take with a pair of tweezers a piece of Masslinn cloth and moisten this with Cleaner R.
- 16 Clean the grid wire.
- 17 Dry the grid wire with a piece of cloth.
- 18 Take with a pair of tweezers a piece of Masslinn cloth and moisten this with water.
- 19 Clean the grid wire.
- 20 Dry the grid wire with a piece of cloth.

Functional description

1 Charging

The drum is charged by a negatively charged corona. After a complete cycle, the residual charge is removed by the charge eraser 02PBA02. This charge eraser consists of a LED array.

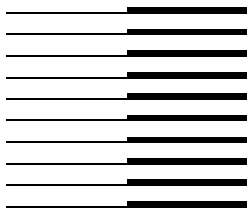


2 Air handling

Note: The air handling is very essential for the correct functioning of the Océ 7050. Sealing is essential due to the sensitivity of the fuser to convection.

The air handling has the following functions:

- 1 It keeps the ozone emission within specs.
- 2 It keeps the ozone concentration near the drum below a specific value.

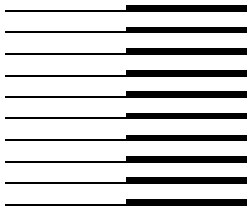


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Exposure





Technical Service Manual
Océ 7050



Exposure



Contents

Adjustments

- 1 Exposure maximum level 301
- 2 Exposure zero level 302

Disassemblies

- 1 Exposure lamp 401
- 2 Exposure lamp holder 401
- 3 Self focussing Lens Array 402

Functional description

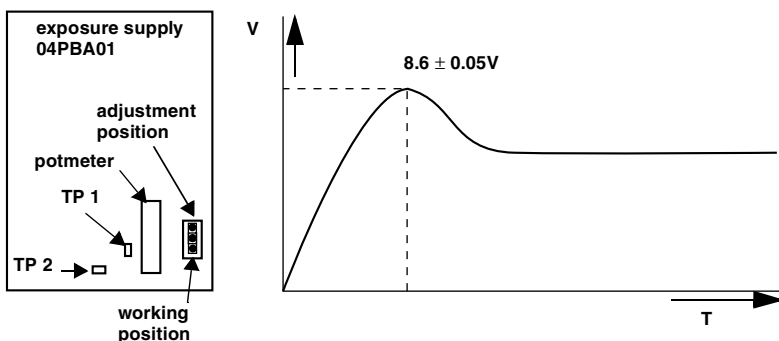
- 1 Exposure control 501
- 2 exposure supply 04PBA01 502

Adjustments

1 Exposure maximum level

First we have to adjust the voltage at which the lamp will have its maximum power. This voltage is indicated by the manufacturer of the power supply. When the lamp gets hotter, it produces more light with the same input power. Therefore we cannot set the voltage at the wanted value, but do we have to do the adjustment as follows:

- 1 Put a folded, white A1 sheet on the original glass.
- 2 Connect a multi-meter between TP1 (EXPSE) and TP2 (GND) on the exposure supply 04PBA01.
 - The test pins are located at the right-hand side.
- 3 Put jumper J4 on the exposure supply 04PBA01 into the “adjustment position”.
- 4 Run SDS test -2, -3 to switch on the exposure lamp. (See Faults [page 26](#)).
- 5 Measure the voltage on TP1 and adjust the potmeter to keep the voltage at $8.6 \pm 0.05V$.
- 6 When the voltage decreases, stop the adjustment.



- 7 Switch off the main voltage and put jumper J4 on the exposure supply 04PBA01 back into its normal “working position”.

2 Exposure zero level

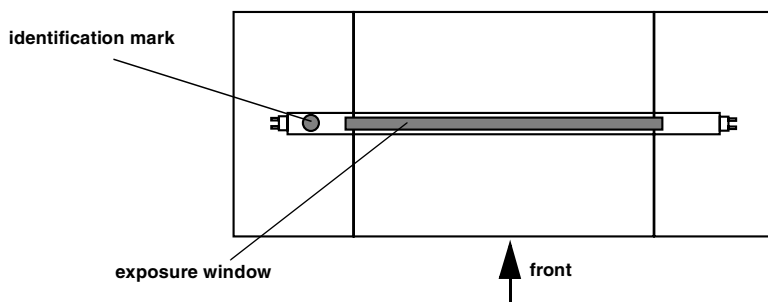
With the exposure setting buttons of the operating panel the operator can adjust the wanted light intensity. To make sure that the exposure setting “0” gives the correct copy quality, the following adjustment has to be done:

- 1 Make a landscape copy of the test chart with the exposure level on “0”.
- 2 Adjust with SDS test 0, -4 the exposure zero level (See Faults [page 31](#)) until:
 - the light gray strip is just not visible over the complete copy.
 - no. 3 on the copy is just visible

Disassemblies

1 Exposure lamp

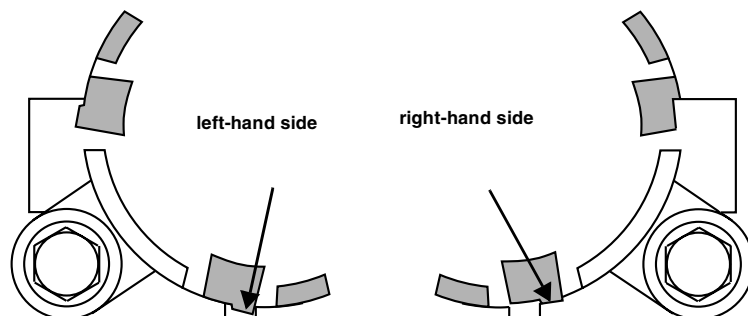
When mounting the exposure lamp make sure that the identification mark is at the left-hand side and that the exposure window is pointing upwards.



2 Exposure lamp holder

When mounting the exposure lamp holder, make sure that it is positioned as indicated.

- At the right-hand side the ridges are not situated in the slots.
- At the left-hand side the ridges are situated in the slots.



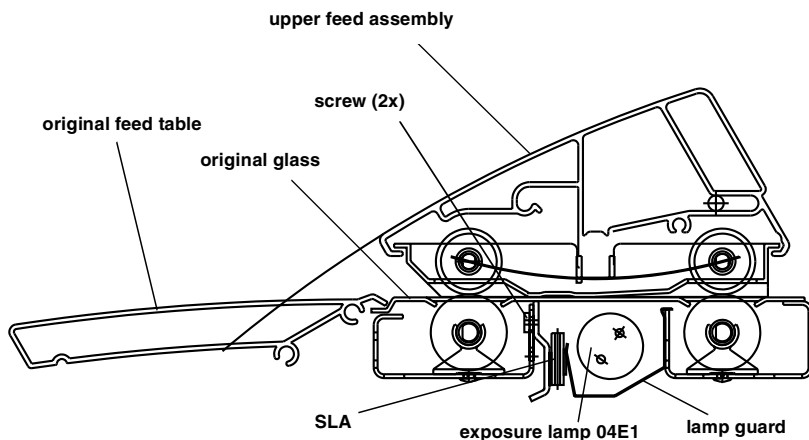
3 Self focussing Lens Array

- 1 Remove the upper feed assembly.
- 2 Remove the original feed table.
- 3 Remove the original glass.
- 4 Remove the exposure lamp 04E1.
- 5 Remove the lamp guard.
- 6 Remove the SLA (2 screws).

Warning: Take care not to touch the drum and the SLA.

When re-assembling, pay attention to the following:

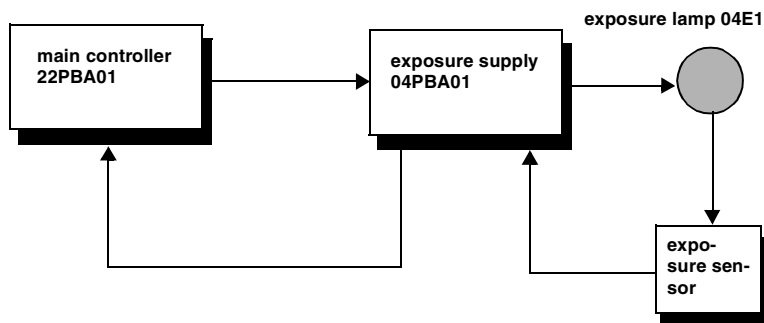
- 7 Mount the SLA with the 2 screws hand tight.
- 8 Slide the SLA as far as possible upwards and to the right.
- 9 Tighten the 2 screws.
- 10 Mount the lamp guard downwards over the total length as far as possible.



Functional description

1 Exposure control

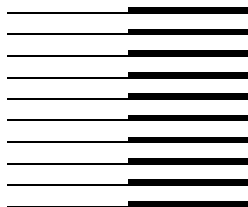
The main controller 22PBA01 sends a signal for the “required light intensity” to the exposure supply 04PBA01. The “actual light intensity” is measured by the exposure sensor 04PBA02. These two values are compared on the exposure supply 04PBA01. According to the result, the voltage for the exposure lamp 04E1 is adjusted. Also the main controller 22PBA01 is “informed” about the “actual light intensity” for control reasons.



2 exposure supply 04PBA01

Warning: *When the fuse is blown, then problably the PBA is defective. Please replace the PBA.*

Testpoint	Signal name	Explanation
TP1	EXPSE	
TP2	GND	
TP3	POWER	Line input can be measured between TP3 and the fuse
TB1		W1-TB1 configuration 115 V
TB2		W1-TB2 configuration 230 V

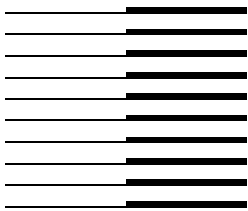


Technical Service Manual
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Developing





Technical Service Manual
Océ 7050



Contents

Adjustments

- 1 Toner sensor voltage adjustment
(upto machine 705025000/705530000) 301
- 2 Toner sensor voltage adjustment
(from machine 705025000/705530000) 302
- 3 Toner sensor voltage setting 303
- 4 Eccentrics 304

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- 1 Developing unit 401
- 2 Developer installation procedure 403
- 3 The toner concentration sensor 05B1 403

Functional description

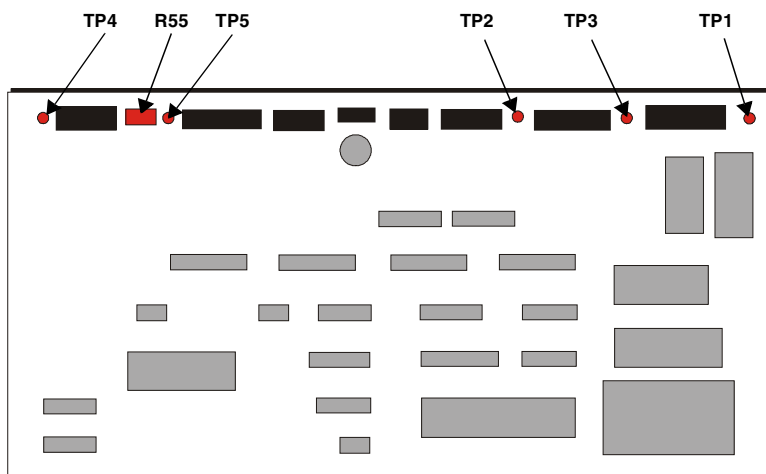
- 1 Toner supply 501
- 2 Bias voltage 502

Adjustments

1 Toner sensor voltage adjustment (upto machine 705025000/705530000)

Note: This adjustment must be made, when new developer has been added.

- 1 Add new developer (if applicable (See 05 Dev [page 403](#))).
- 2 Remove the rear cover.
- 3 Connect a voltmeter between TP5 and TP1 (GND) on the main controller 22PBA01 and adjust with potmeter R55 until the voltage is $7.0\text{ V} \pm 1\text{V}$.
- 4 Connect the voltmeter between TP4 and TP1 (GND) to measure the sensor voltage.
- 5 Run SDS test -2, -2. (See Faults [page 26](#)).
- 6 Wait for ± 10 minutes and while the test is still running, adjust potmeter R55 until the voltage on TP4 is $2.25\text{V} \pm 0.02\text{V}$.
- 7 Stop the test.
- 8 Connect the voltmeter between TP5 and TP1 (GND) and measure the voltage.
- 9 Read out the value to 2 decimal places and note this value in the logbook chart.
(V control =V).



Frontside machine

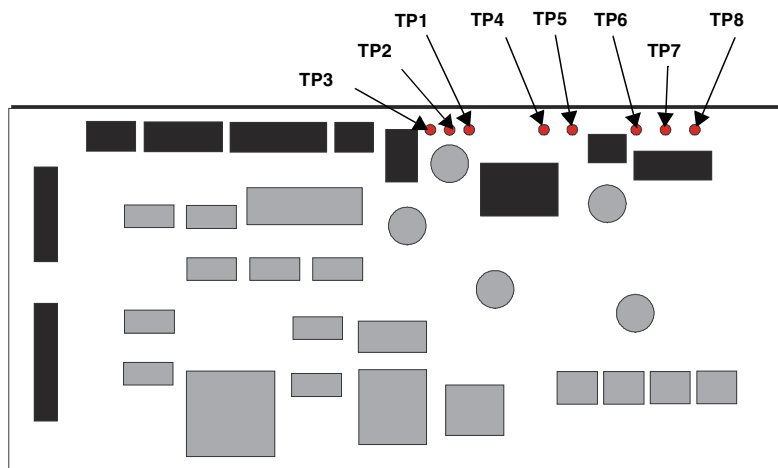
2 Toner sensor voltage adjustment (from machine 705025000/705530000)

Note: This adjustment must be made, when new developer has been added.

- 1 Add new developer (if applicable (See 05 Dev [page 403](#))).
- 2 Remove the rear cover.
- 3 Run SDS test -1, +3. (See Faults [page 27](#)) and adjust the voltage on the paper length display to 7V using the level 2 description.

Note: This is not the sensor voltage, but the input voltage of the toner sensor.

- 4 Connect a voltmeter between TP8 and TP2 (GND_S) on the main controller 22PBA01 to measure the sensor voltage.
- 5 Wait for ± 3 minutes and while the test is still running, adjust the output voltage until the voltage on TP8 is $2.25V \pm 0.02V$ DC. This is done using the lighter and darker buttons and confirm using the paper button.
- 6 Read out the value from the paper length display and note this value in the log-book chart. (V control =V).
- 7 Stop the test.



Frontside machine

3 Toner sensor voltage setting

Note: *This adjustment must be made, when the main controller 22PBA01 or the low voltage supply 22PBA02 has been replaced.*

Upto machine 705025000/705530000

- Connect a voltmeter between TP5 and TP1 (GND) on the main controller 22PBA01.
- Adjust the voltage with potmeter R55 to the value which has been noted in the logbook chart ($\pm 0.02V$).

Note: *When this voltage is not known, you have to adjust the toner sensor voltage (See 05 Dev [301 adj. 1](#))*

From machine 705025000/705530000

- Connect a voltmeter between TP8 and TP2 (GND_S) on the main controller 22PBA01 to measure the sensor voltage.
- Adjust the output voltage using the lighter and darker buttons and confirm using the paper button to the value which has been noted in the logbook chart ($\pm 0.02V$).

Note: *When this voltage is not known, you have to adjust the toner sensor voltage (See 05 Dev [302 adj. 2](#))*

4 Eccentrics

The distance between drum and magnet roller is determined by the eccentrics which influence the O.D. Position 0 is the default. In normal situations it is not necessary to change this distance. When the optical density is not within specifications (See 09 Ori. [503 “Optical density \(O.D.\)”](#)) then it is possible to change the distance between drum and magnet roller.

Left side:

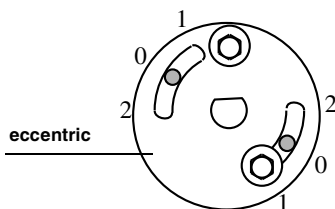
Pins on position 1: O.D. increase of approx. 0.2

Pins on position 2: O.D. decrease of approx. 0.2

Right side:

Pins on position 1: O.D. decrease of approx. 0.2

Pins on position 2: O.D. increase of approx. 0.2



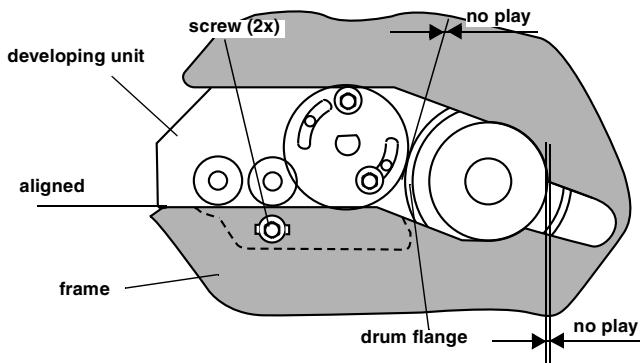
Disassemblies

1 Developing unit

Developing unit removal

- 1 Open the left side cover.
- 2 Remove the waste toner bag.
- 3 Remove the black plastic cover at the left hand side (3 screws).
- 4 Disconnect the toner concentration sensor 05B1.
- 5 Disconnect connector 05X1 (toner supply motor 05M1).
- 6 Remove the toner dosage unit (1 screw).
 - Take care not to spill toner.
- 7 Open the fuser unit.
- 8 Loosen the 2 screws from the protection cover.
- 9 Lift the protection cover and turn it to the rear.
- 10 Open the right side cover (3 screws).
- 11 Disconnect the bias connector from the developing unit.
- 12 Lower the paper feed table.
- 13 Remove the original feed table (1 screw).
- 14 Remove the developing unit protection cover.
- 15 Remove the left and right bracket (2 screws).
- 16 Remove the 2 screws (left and right) from the developing unit.
- 17 Slide the developing unit to the front and remove it.

Note: *Keep the developing unit in a horizontal position!*



Developing unit installation

- 1 Place the developing unit so that it is aligned with the frame (See figure).
- 2 Replace both the screws hand-tight.
- 3 Make sure that at the right side there is no play between:
 - The developing unit and the drum flanges (See figure)
 - The drum flanges and the frame (See figure)
- 4 Tighten the screw at the right.
- 5 Repeat steps 3 and 4 for the left side.
- 6 Check by hand that there is no play between the developing unit and the drum.
- 7 Connect the toner concentration sensor 05B1.
- 8 Mount the toner dosage unit
- 9 Connect connector 05X1 (toner supply motor 05M1).
- 10 Mount the black plastic cover at the left hand side (3 screws).
- 11 Mount the waste toner bag.
- 12 Connect the bias connector from the developing unit.
- 13 Turn the left and right bracket towards the rear.
- 14 Mount the developing unit protection cover.
- 15 Mount the original feed table (1 screw).
- 16 Move the paper feed table upwards.
- 17 Close the right side cover (3 screws).
- 18 Lift the protection cover and turn it to the front (put it in the groove).

Note: Take care not to damage the 2 ridges.
- 19 Tighten the 2 screws in the protection cover.
- 20 Close the fuser unit.
- 21 Close the left side cover.

2 Developer installation procedure

- 1 Remove the developing unit (See 05 Dev. [page 401](#)).

Removing the old developer.

- 2 Put the developing unit on A1 sheets.
- 3 Open the upper lid and remove it.
- 4 Turn the developing unit until the developing roller points upwards. Then turn the unit to the front until the developer falls out of the unit.
- 5 Turn the developing roller to empty the developing unit.
- 6 Dispose of the developer according to local regulations.
- 7 Remove the remaining developer with a vacuum cleaner.
- 8 Clean the complete unit with the vacuum cleaner.

Note: *Take care not to touch the cleaning flap of the toner concentration sensor 05B1.*

Adding new developer

- 9 Put the developing unit on a flat surface with the upper lid open.
- 10 Pour new developer evenly into the unit while turning the left gear of the developing roller clock-wise by hand.
- 11 Close the upper lid.
- 12 Install the developing unit (See 05 Dev. [page 402](#)).
- 13 Execute 05 DEV [301 adj. 1](#)

3 The toner concentration sensor 05B1

Note: *05 Dev [301 adj. 1](#) has to be done when the toner concentration sensor 05B1 has been replaced.*

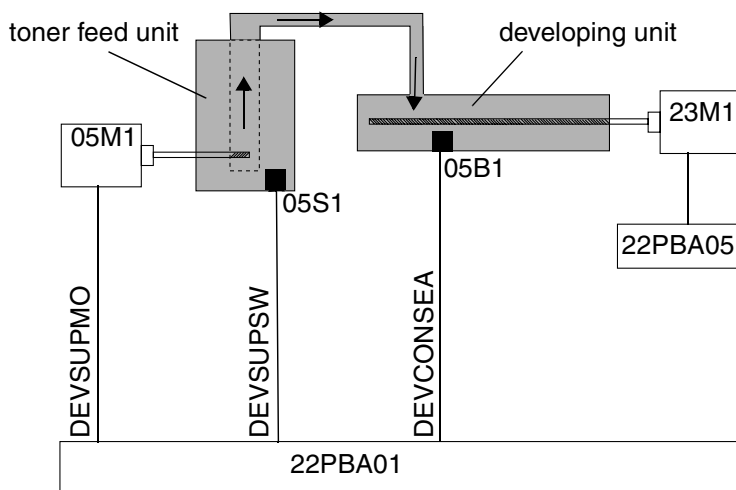
Functional description

1 Toner supply

When the toner level is low, the toner supply motor 05M1 feeds toner. During toner dosing, the toner supply switch 05S1 detects if there is still sufficient toner.

The toner concentration sensor 05B1 is cleaned by a cleaning flap.

The toner supply switch 05S1 is a reed switch inside the toner feed unit. When the toner supply motor 05M1 rotates, a flap inside the toner feed unit also rotates. A magnet is mounted on this flap. When there is sufficient toner, the flap is moved upwards by the resistance of the toner. In that case the magnet does not energize the toner supply switch 05S1. When the toner level gets low, the flap falls down because there is no more toner to resist it. The magnet then energizes the toner supply switch 05S1 and the “add toner” message appears.

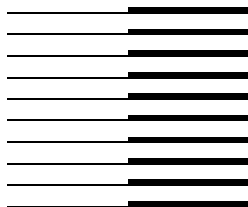


2 Bias voltage

There is a voltage drop between the test point TP1 on the high voltage supply 22PBA04 and the magnet roller in the developing unit.

Voltage on TP1 of high voltage supply 22PBA04: $-200 \text{ VDC} \pm 4\text{V}$

Voltage on the magnet roller in the developing unit: between -150 VDC and -180 VDC .

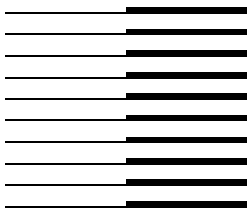


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Transfer





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Transfer



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1 Transfer & Separation unit 401

Functional description

1 Toner transfer 501

2 Separation 501

Disassembly

1 Transfer & Separation unit

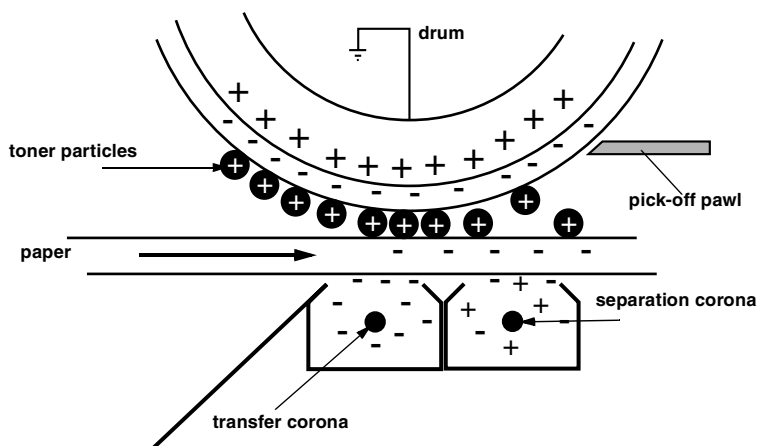
- 1 Open the right cover (3 screws).
- 2 Loosen the transfer & separation connector.
- 3 Lower the paper feed table.
- 4 Remove the transfer & separation unit over the paper feed table towards the front.

Warning: *Take care not to damage the pick-off pawl and the drum.*

Functional description

1 Toner transfer

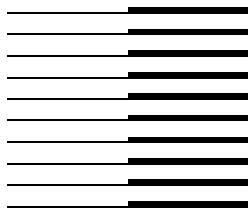
The positively charged toner is attracted to the negatively charged latent image on the drum. Now the toner has to be transferred to the paper. A transfer corona charges the paper negatively. When we make sure that the force between paper and toner is stronger than the force between drum and toner, the toner particles will move to the paper.



Not all toner is transferred to the paper; because of the negative charge on the drum, some toner remains on the drum. This toner will be removed with a cleaning blade.

2 Separation

The transfer corona charges the paper negatively, while the drum substrate is charged positively. Therefore the paper will stick to the drum. An AC voltage of 500 Hz connected to a separation corona separates the paper from the drum. When the separation is not successful, a pick-off pawl keeps the paper away from the drum. This causes an ORE.

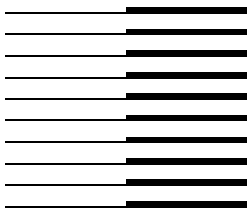


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Cleaning





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- 1 Cleaning unit 401
- 2 How to bend the cleaning unit seals 401

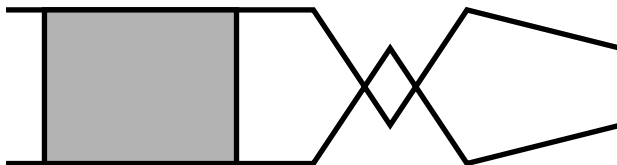
Disassembly

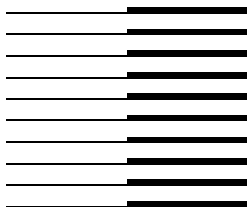
1 Cleaning unit

- 1 Remove the drum (See 01 Phot. [page 401](#)).
Note: *Cover the 2 holes in the air handling box, to prevent the springs from falling in.*
- 2 Loosen the 2 springs of the cleaning unit and take the springs out of the machine.
- 3 Remove the 2 pressure blocks.
- 4 Take out the cleaning unit.
- 5 When you mount the cleaning unit, make sure that the ridge at the right hand side is outside the frame.

2 How to bend the cleaning unit seals

- 1 The cleaning unit seals have to be bend at 8 positions to get a situation as indicated .



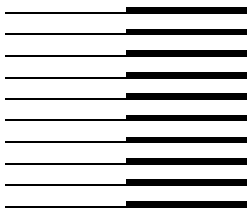


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Fusing





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Fusing



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- 1 Mounting the fusing NTC's 401
- 2 Heater section removal 402
- 3 SSR 08S3 402

Functional Description

- 1 Fuser 501
- 2 Safety Precautions 501
- 3 Temperature regulation 502

Adjustments

1 Fusing temperature for polyester film

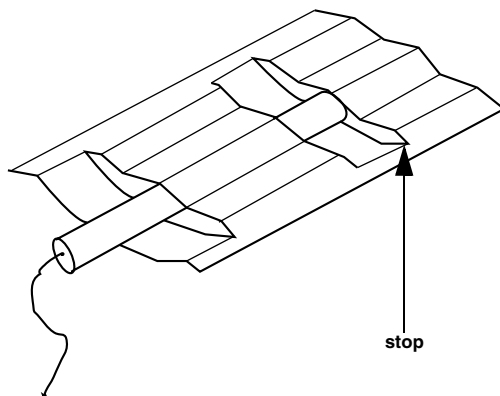
When the original or the paper is placed, the fusing unit already heats up to a specific temperature (setpoint) which depends on the chosen material (paper or film). When the original and the paper are present, the fusing unit will heat up to the fusing temperature. The setpoint temperature for film can be set with SDS test 0, +1 according to the thickness of the film (4,5 mils or 3,5 mils). The temperature for 4,5 mils is approx. 30 °C higher than for 3,5 mils (see [Faults page 29](#))

Disassembly

Caution: When you bridge the fuser safety switch 08S1 (USA also fuser safety switch 08S2) the main voltage is connected to the heaters.

1 Mounting the fusing NTC's

- In the middle two lamellas of the heater is a gap for mounting the NTC's.
- 1 Put the NTC tubes in the gap until they hit the stop.
 - Make sure that the wiring does not contact the lamellas of the heater.
 - 2 Connect the connector.



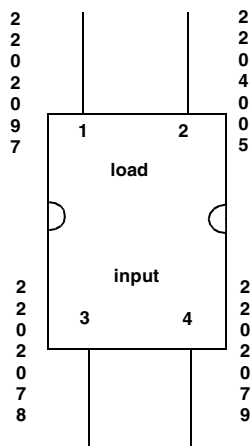
2 Heater section removal

- 1 Open the left side cover.
- 2 Remove the black plastic cover.
- 3 Open the right side cover.
- 4 Remove the fuser connectors (right-hand side).
- 5 Remove the rear cover of the fuser (loosen 5 screws, remove 2 screws).
- 6 Disconnect the 5 NTC connectors.
- 7 Open the fuser unit.
- 8 Remove 1 screw left and 1 screw right.
- 9 Take out the heater section.

Note: After installing the heater section check 15 Paper transport [401 “Paper-feed table”](#)

3 SSR 08S3

Warning: When installing the SSR 08S3, it is possible to interchange the wires indicated on the SSR with “input”. For the correct connection see the numbers on the wires as indicated in the figure.



Functional Description

1 Fuser

In previous LV-DE machines, fusing was done with heat and pressure by means of heat rollers. In the Océ 7050 only heat and radiation in combination with LET (Low Energy Toner) is used. To get a correct fusing, the temperature must be much higher than usual (± 300 °C). At this high temperature, fumes can evaporate out of the paper. Sometimes it is possible that you can smell these fumes. Assure the customer that these fumes are harmless and that it is not ozone.

The paper is transported through the fuser over a grid, while it is being heated from the underside.

2 Safety Precautions

To prevent the paper in the fuser from overheating, several precautions have been taken:

- The temperature in the fuser is kept as low as possible.

Paper burns spontaneously at a temperature of 425 °C and when lighted it burns at a temperature of 375 °C. The temperature of the heaters will never exceed 330 °C.

- An absorber is used.

When small paper is used, only a small amount of the heat is absorbed by the paper. So the temperature at the sides will rise. When the temperature gets too high, the absorber cooling is switched on. The cooling is realised with fuser fan left 08M1 and fuser fan right 08M2. There is also a natural air stream at the rear of the fuser.

- Protection gauze above the heaters.

This gauze prevents large paper clippings from reaching the heaters (small clippings are harmless).

- Reliable paper path.

- paper output sensor 15B3.

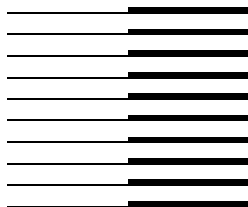
When the paper does not reach the paper output sensor 15B3 in time, the safety relay K1 on the distribution 22PBA05 is de-activated and the fuser heating is switched off. Also an error code is generated.

- NTC's in the fuser and absorber.

There are five NTC's in the fuser and one in the absorber. The NTC in the middle of the fuser is used for temperature control. The other NTC's are for protection. When an over-temperature is detected by an NTC or when the temperature differences measured by the NTC's is more than 40 °C, the safety relay K1 on the distribution 22PBA05 is de-activated and the fuser heating is switched off. The absorber cooling is switched on. Also an error code is generated.

3 Temperature regulation

When the original or the paper is placed, the fusing unit already heats up to a specific temperature (setpoint) which depends on the chosen material (paper or film). When the original and the paper are present, the fusing unit will heat up to the fusing temperature. The setpoint temperature for film can be set according to the thickness of the film (4,5 mils or 3,5 mils). The temperature for 4,5 mils is approx. 30 °C higher than for 3,5 mils (see 08 Fix. [301 adj. 1](#))

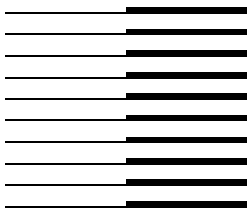


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Originals





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- 1 Original drive 501
- 2 The service test original 502

Adjustments

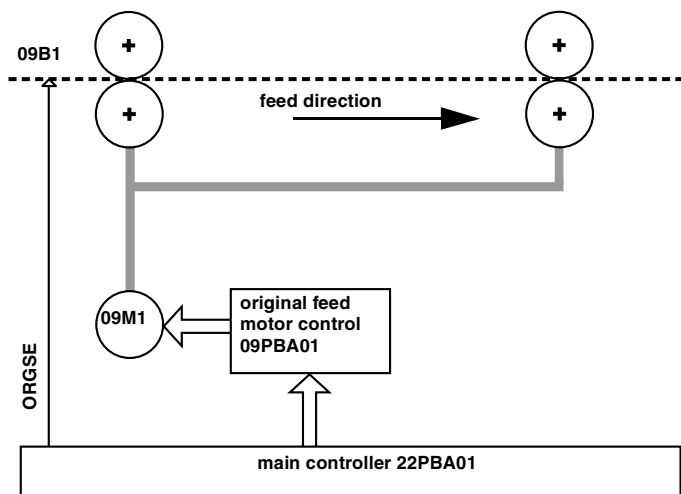
1 Image enlargement

- Use for copy material A1 plain paper 75 grs/m² (20 lbs).
- 1** Make a portrait copy of the test chart.
- 2** Measure the difference between the 1,0 arrow length on the copy and the 1,0 arrow length on the original in feed direction.
- 3** Adjust with SDS test 0, -2 the image enlargement until the difference is approx. 0 ± 1 mm. (See Faults [page 30](#)).

Functional description

1 Original drive

The original sensor 09B1 (ORGSE) detects if an original is present. After a certain time delay to ensure proper alignment against the first pinch, the original feed motor 09M1 starts turning and drives the two original roller pairs to transport the original to the rear. When the original sensor 09B1 is released, the length of the original is determined. The necessary scanning time is now calculated.



When the copying process starts (original and paper are present and fuser temperature correct), the original is transported towards the front within the calculated scanning time and at a constant speed. The original is now exposed. When the original arrives at the front, the rear is still in the pinch and the original sensor 09B1 is still activated. When more copies have to be made, this cycle is repeated.

2 The service test original

The service test original (code no. 0831382), has been developed to check whether the copy quality is within specification and for diagnosing the cause of copy quality problems in the Océ 7050 / 7055 model series. Copies must be made on standard Océ plain paper 75 gr /m² (20 lbs)

Copy quality parameters for the Océ 7050/7051 are:

- 1 optical density
- 2 difference in optical density in copy
- 3 background variation in O.D.
- 4 weak / thin line reproduction
- 5 resolution
- 6 overexposure of background
- 7 synchronisation
- 8 fusing on paper
- 9 1:1 accuracy
- 10 image position (leading edge)
- 11 skewing of the copy
- 12 loss of information
- 13 poor copy quality
- 14 skewing and displacement of original
- 15 line distortion

For the Océ 7055/7056 we have the above mentioned parameters plus for roll feed:

- 16 image position (leading edge)
- 17 image position (sides)
- 18 skewing of the copy
- 19 length of the copy (standard A1)
- 20 length of the copy (synchro cut)
- 21 copy length variations during multicopy
- 22 alignment of cutting
- 23 squareness of cutting

Optimum copy quality

The product development is aimed at a minimum number of adjustments. Aspects which are still adjustable are:

- exposure level
- original speed (1:1 accuracy)
- head margin (manual feed and roll feed)
- toner sensor voltage

The condition of the copier should be according to all the adjustment procedures when measuring copy quality. Further the environmental condition must be between 30-60 % R.H. and 20-27 °C.

1 Optical density (O.D.)

The O.D. must be ≥ 0.7 and ≤ 1.3 . Measure it on 10 places at bar **lb** and determine the average. Compare it with your Agfa grey chart.

2 Difference in O.D. in copy

The difference in O.D. in a copy must be < 0.25 . Measure it on 10 places on bar **lb** and determine the difference between maximum and minimum value.

3 Background variation in O.D.

Make a copy with the test original at exposure setting -4. Determine the O.D. difference on the grey bar **la**. This must not exceed 0.2.

4 Weak / thin line reproduction

On a copy without background, line **Vb** must be continuously visible at at least one exposure step.

5 Resolution

At least 7 out of 11 test patterns of 3.6 lines/mm must be open in both directions.

6 Overexposure of background

Cell 5 (O.D. = 0.35) must not be visible at the maximum (+4) exposure setting (See 04 Exp. [301 adj. 1](#)).

7 Synchronisation

Reproduction of 2 lp/mm must be open over the full length.

8 Fusing on paper

Fold test in area with high O.D. The white line must be < 0.5 mm (See 08 Fix. [301 adj. 1](#) for problems with polyester film).

9 1:1 accuracy

$\leq \pm 0.5\%$ for sizes upto A0/E formats

$\leq \pm 1\%$ for length upto 3 metres

No guarantee over 3 metres (See 09 Ori. [301 adj. 1](#)).

10 Image position (leading edge)

The leading edge must be within ± 5 mm. Compare leading edge copy with leading edge test original (See 15 Pap. [301 adj. 1](#)).

11 Skewing of the copy

Skewing of the copy must be less than 4 mm (can be influenced by the operator).

12 Loss of information

Loss of information must be less than 10 mm at the trailing and leading edge.

13 Poor copy quality

Poor copy quality must be less than 10 mm at the leading edge and less than 17 mm at the trailing edge.

14 Skewing and displacement of the original

Skewing and displacement of the original must be less than 9 mm after 9 passes with the size A3 to A1 (B to D) in the retention model.

15 Line distortion

The line distortion must be less than 3mm (testcart landscape)

Océ 7055/7056 roll feed parameters**16 Image position (leading edge)**

The leading edge must be within ± 5 mm. Compare leading edge copy with leading edge test original (See 12 Pap. [302 adj. 3](#)).

17 Image position (sides)

The image position at the sides must be within ± 3 mm. (can be influenced by the operator).

18 Skewing of the copy

Skewing of the copy must be less than 4 mm

19 Length of the copy (standard A1)

The copy length variation must be between 0 and +6 mm (See 12 Pap. [301 adj. 1](#) and 12 Pap. [301 adj. 2](#)).

20 Length of the copy (synchro cut)

The copy length variation must be between -2 and +8 mm

21 Copy length variations during multicopy

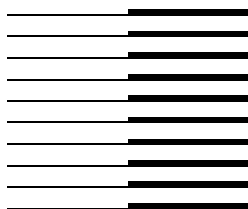
The copy length variation must be between -2 and +2 mm

22 Aligment of cutting

The aligment of cutting must be within ± 1 mm over width of 914 mm

23 Squareness of cutting

The squareness of cutting must be within 2 mm over width of 914 mm

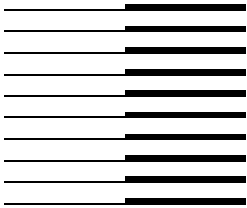


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Paper roll feed





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Paper roll feed



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- 2 Lead sensor position correction 301
- 3 Headmargin roll feed 302
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- 5 Paper feed 303
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- 2 Communication 501
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Electrical description

Adjustments

First run SDS test +0, -1, -1 country setting to Europe

1 Paper feed roller correction

Upper roll

- 1 Make sure that a full plain paper roll is used when doing this adjustment.
- 2 Run SDS test +4, 0, -4 and set the length correction at 8440
- 3 Run SDS test +4, 0, -2 and set the lead sensor correction 8440
- 4 Push on the operating panel standard button and choose the length 841
- 5 Make two copies with this setting.
- 6 Measure the length of the second copy in mm.
- 7 Set this **measured value * 10** with SDS test +4, 0, -4 (e.g. when you measure 823 mm set to 8230). Confirm with COPY MATERIAL.

Lower roll

- 1 Make sure that a full plain paper roll is used when doing this adjustment.
- 2 Run SDS test +4, 0, -3 and set the length correction at 8440
- 3 Run SDS test +4, 0, -2 and set the lead sensor correction at 8440
- 4 Push on the operating panel standard button and choose the length 841.
- 5 Make two copies with this setting.
- 6 Measure the length of the second copy in mm.
- 7 Set this **measured value * 10** with SDS test +4, 0, -3 (e.g. when you measure 823 mm set to 8230). Confirm with COPY MATERIAL.

2 Lead sensor position correction

- 1 First do adjustment [“Paper feed roller correction” on page 301](#)
- 2 Rewind the paper roll untill the arrow (sensor 12B3 is not activated anymore).
- 3 Push on the operating panel standard button and choose the length 841.
- 4 Make a copy with this setting.
- 5 Measure the length of the copy in mm
- 6 Set this **measured value * 10** with SDS test +4, 0, -2 (e.g. when you measure 823 mm set to 8230). Confirm with COPY MATERIAL.

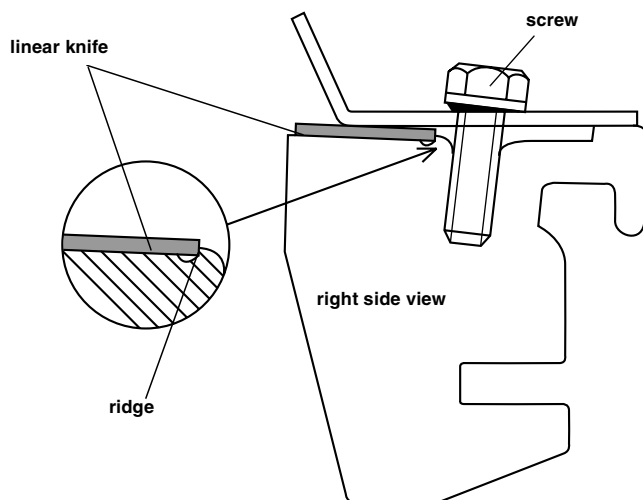
For USA run SDS test +0, -1, +1 country setting to USA

3 Headmargin roll feed

- 1 First do 15 Pap. [301 adj. 1](#)
- 2 Make a copy of the test chart with roll feed.
- 3 Measure the head margin (compare with the test chart).
- 4 Adjust with SDS test 0, 0 the head margin to approx. -1 ± 1 mm. (See Faults [page 30](#)).
 - The leading edge of the original must just not be visible on the copy.

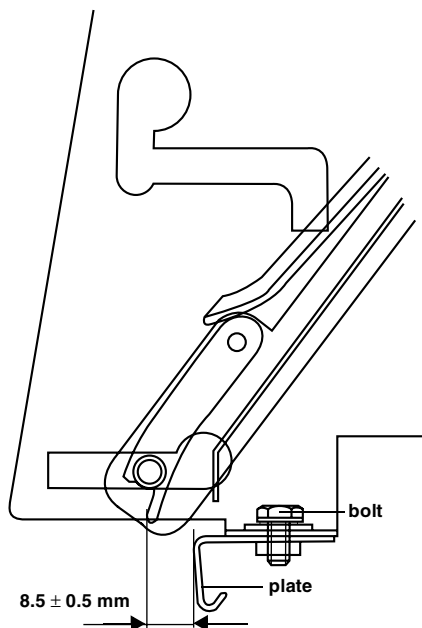
4 Linear knife

- 1 Loosen the screw.
- 2 Position the linear knife against the ridge.
- 3 Tighten the screw.



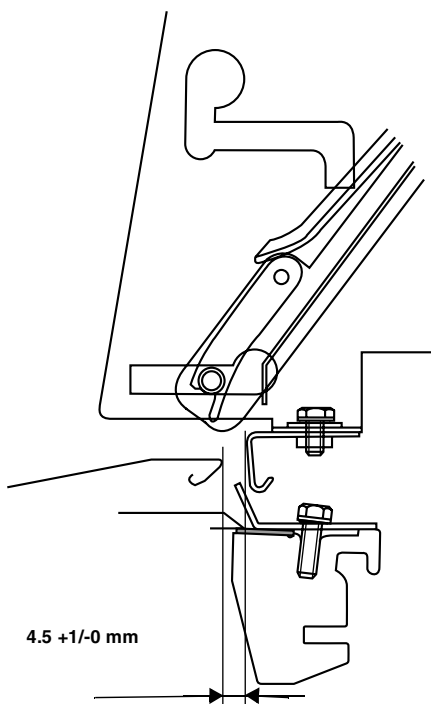
5 Paper feed

- 1 Loosen the bolt and move the plate until the distance is as indicated.
- 2 Tighten the bolt.



6 Drawer

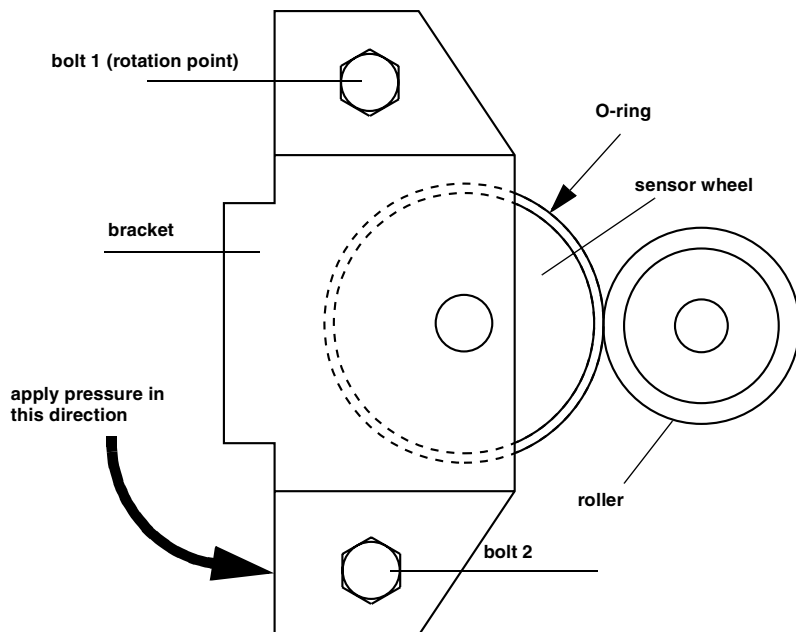
- 1 Make sure that adj. [“Paper feed” on page 303](#) is correct.
- 2 Remove the front cover and the side covers from the roll unit (6 screws).
- 3 Loosen the screws which attach the drawer to the rails at the left and at the right side (6 screws).
- 4 Pull the drawer outwards as far as possible until the screws hit the end of the slotted hole.
- 5 Tighten the two front screws (left and right).
- 6 Push the drawer in completely.
- 7 Loosen the two front screws (left and right).
- 8 Push the drawer inwards until the distance is as indicated in the figure.



- 9 Tighten the two front screws (left and right).
- 10 Pull out the drawer.
- 11 Tighten the other 4 screws.

7 lower roll empty sensor 12B5 and upper roll empty sensor 12B4

- 1 Loosen bolt 1 and bolt 2 (hand tight).
- 2 Push the bracket in the indicated direction.
- 3 Tighten bolt 1 and bolt 2.
- 4 Rotate the roller to check a complete revolution of the sensor wheel.
- 5 When the sensor wheel skids, increase the pressure.
- 6 When the sensor wheel rotates irregularly, decrease the pressure so that there is no deformation at the inner side of the O-ring.



Disassembly

1 Knife

- 1 Remove the front cover and one of the 2 side covers from the roll unit.
- 2 Remove the second side cover.
- 3 Remove the knife unit cover (remove 2 screws, loosen 2 screws).
- 4 Loosen the connectors from the knife motor 12M3.
- 5 Loosen the connectors from the knife sensor left 12B1 and from the knife sensor right 12B2.
- 6 Remove the 2 screws.
- 7 Take out the paper cutting unit.
- 8 Move the circular knife unit to the left.
- 9 Take the O-cord from the O-cord support at the right hand side.
- 10 Remove the O-cord.
- 11 Remove the O-cord support at the left hand side.
- 12 Take out the circular knife unit at the left hand side.
- 13 Remove the circular knife (1 screw).
Note: *When assembling, make sure that the circular knife is over the linear knife.*
- 14 The blue connector of the knife motor 12M3 is the one close to the frame.

2 Roll unit control PBA 12PBA01

When in an Océ 7055 the Roll unit control PBA 12PBA01 is replaced the jumpers between X6 pins 1-2 and pins 3-4 have to be positioned at the new PBA.

3 Dew preventer

Aim:

To prevent paper jams and copy quality problems in environments with high humidity a dew preventer can be mounted in the manual roll unit and in the automatic roll units.

Note: For safety reasons mount in the 2 roll unit only one dew preventer in the lower roll. The dew preventer will be connected to a separate mains plug and uses maximum 70 Watt. It is advisable to switch on the dew preventer in situations where the Relative Humidity is more then 60 %.

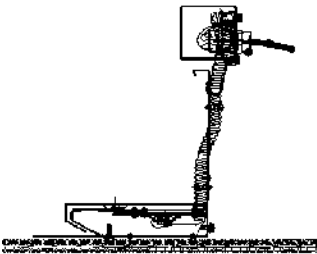
Parts

Choose the kit which is applicable for your situation.

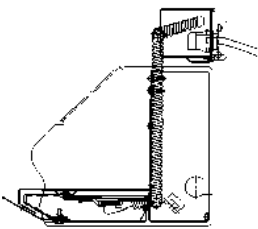
Partslist	Code	Description	Qty
Z-1250	5799.605	Océ 7037 dew preventer man. roll 230V	1
Z-1250	5799.606	Océ 7037 dew preventer man. roll 120V	1
Z-1250	5799.607	Océ 7037 dew preventer auto 1+2 roll 230V	1
Z-1250	5799.608	Océ 7037 dew preventer auto 1+2 roll 120V	1

Instruction

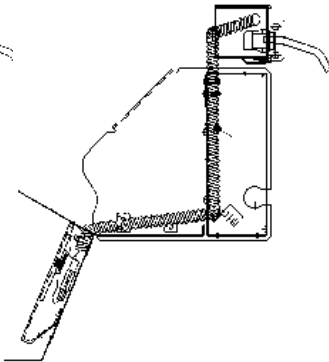
- 1 Switch off the machine
- 2 Mount the plate assy (Z-1211-33) to the frame (4 bolts).
- 3 Mount the bundle through the holes on the left hand side (front view machine) and fix these bundle with cable ties in the roll units (see drawings manual or 1 roll or 2 roll units).



Manual roll

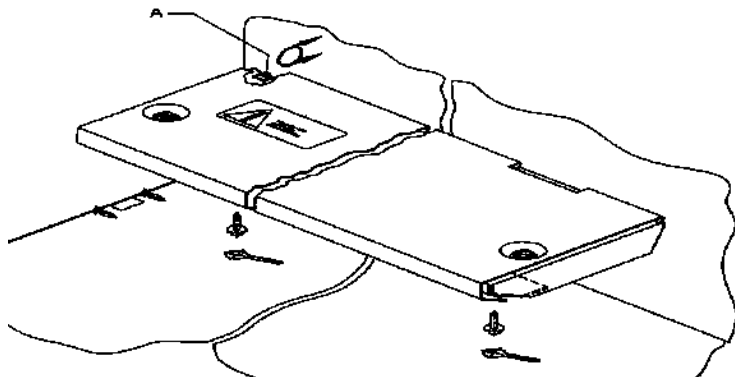


1 Roll



2 Roll

- 4 Mount the earth of the bundle to the bottom plate (Z-1205-01).
- 5 Connect the two connectors of the bundle to the connectors of the heater assy.
- 6 Only in case of a manual roll unit break plate A out of the heater assy.



- 7 Loosen the screws of the cover plate.
 - 8 Mount the two bolts with washers in the heater assy (not fixed).
 - 9 For a manual roll unit and a 1 roll unit mount the heater assy with the bolts in the slotted holes of the bottom plate and fix the plate of the heater assy.
 - 10 For a 2 roll unit mount the heater assy with the bolts in the slotted holes of the rear plate and fix the plate of the heater assy.
- Note:** *There should be no play between the rear plate and the heater assy plate).*
- 11 Fix the cover plate on top of the heater assy also against the rear plate (play between cover plate and heater assy is 6 mm).

Functional description

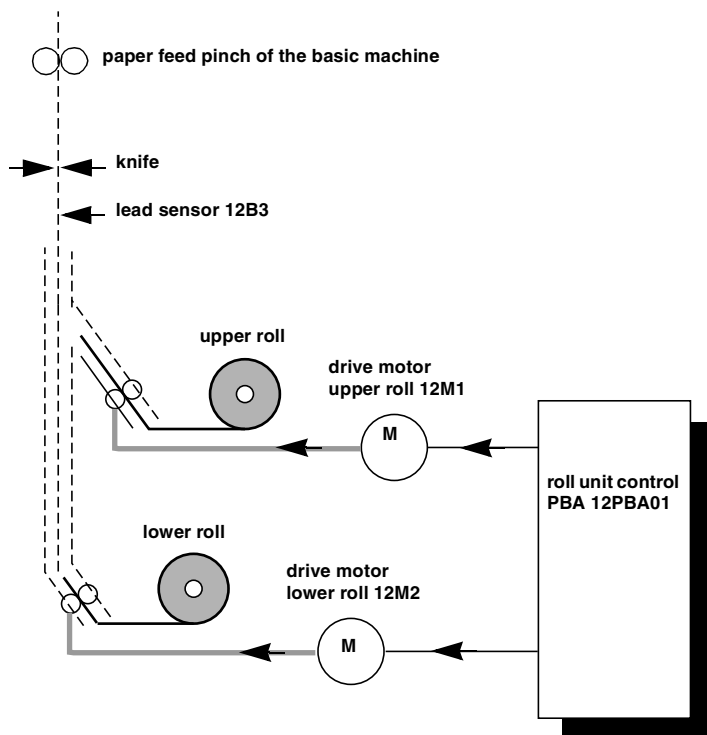
1 General

The Océ 7050 is also available with a roll unit. This roll unit can contain one roll (Océ 7055) and two rolls (Océ 7056). The roll unit will automatically feed paper and it will cut the paper to the correct length. An optional dew preventer can be installed.

2 Communication

The communication between the basic machine and the roll unit consists of a full duplex serial connection. So all data and control signals in both directions are transported via this connection.

3 Paper transport



The basic machine informs the roll unit about the length which has to be cut and which roll has to be used. So no extra puls-disc is used to count the length. A correct cut can only be guaranteed when at the moment of cutting, the paper does not move at the knife position. At the same time the paper still has to be fed into the basic machine. Therefore a bulge has to be created between the knife and the paperfeed pinch of the basic machine. The paper will be retracted when the other roll is selected (Océ 7056).

4 Length measurement

The length which has to be cut, is converted into a specific number of pulses for the drive motor upper roll 12M1 (drive motor lower roll 12M2). The counting of this number of pulses starts when the paper has reached the lead sensor 12B3. When the paper is already at the knife position, the distance between the knife and the lead sensor 12B3 is taken into account. Several factors influence the length of the cut paper:

- 1 When the diameter of the feedrollers is not the same for every machine, more or less paper will be transported for the same number of pulses. This can be corrected by means of an adjustment (12 Pap. [301 adj. 1](#)).
- 2 When the distance between lead sensor 12B3 and knife is not the same for every machine, the cut length will differ per machine. This can be corrected by means of an adjustment (12 Pap. [301 adj. 2](#)).
- 3 When a copy is made, the moment of synchronisation of the original and the paper of the roll is started when the paper of the roll activates paper input sensor 15B1. This can be different for every machine, thereby influencing the head margin. This can be corrected by means of an adjustment (12 Pap. [302 adj. 3](#)).

5 End of roll

The core of the paper roll rotates during copying. A pulse-disc, the upper roll empty sensor 12B4 (lower roll empty sensor 12B5) is driven by the core. As long as the core rotates, pulses are generated. When no more pulses are generated, then the roll is empty or the paper is connected to the core. In both cases an end of roll signal is generated.

6 Knife

The knife motor 12M3 moves a circular knife over a linear knife from left to right and vice versa. The knife sensor left 12B1 and the knife sensor right 12B2 are used to detect if the circular knife is in the left or in the right position. These sensors are also used to brake the speed of the knife motor 12M3. When during a cut one of the sensors is activated, the direction of the knife motor 12M3 is reversed or short-circuited.

At the time of initialization, one of the sensors must be active. When this is not

the case, the circular knife is moved to the right until the knife sensor right 12B2 becomes active.

Electrical description

The roll unit control PBA 12PBA01 is used to communicate with the basic machine and to control the operation of the roll unit. The 24V supply for the roll unit and the 5V supply for the operation of the roll unit control PBA 12PBA01 are supplied by the basic machine. The 5V supply for the rest of the roll unit is generated by the roll unit control PBA 12PBA01 by means of a DC/DC converter.

Three relays are used on the roll unit control PBA 12PBA01. Relay K5 is the safety relay. When a drawer is opened, door switch upper roll 12S1 or door switch lower roll 12S2 (Océ 7056) is interrupted. Relay K5 is de-activated and the 24V and the 5V are switched off. In case of an Océ 7055 there is no door switch lower roll 12S2. Therefore there is a jumper connection between X6 pins 1-2 and X6 pins 3-4 (See the electrical diagram at the next page).

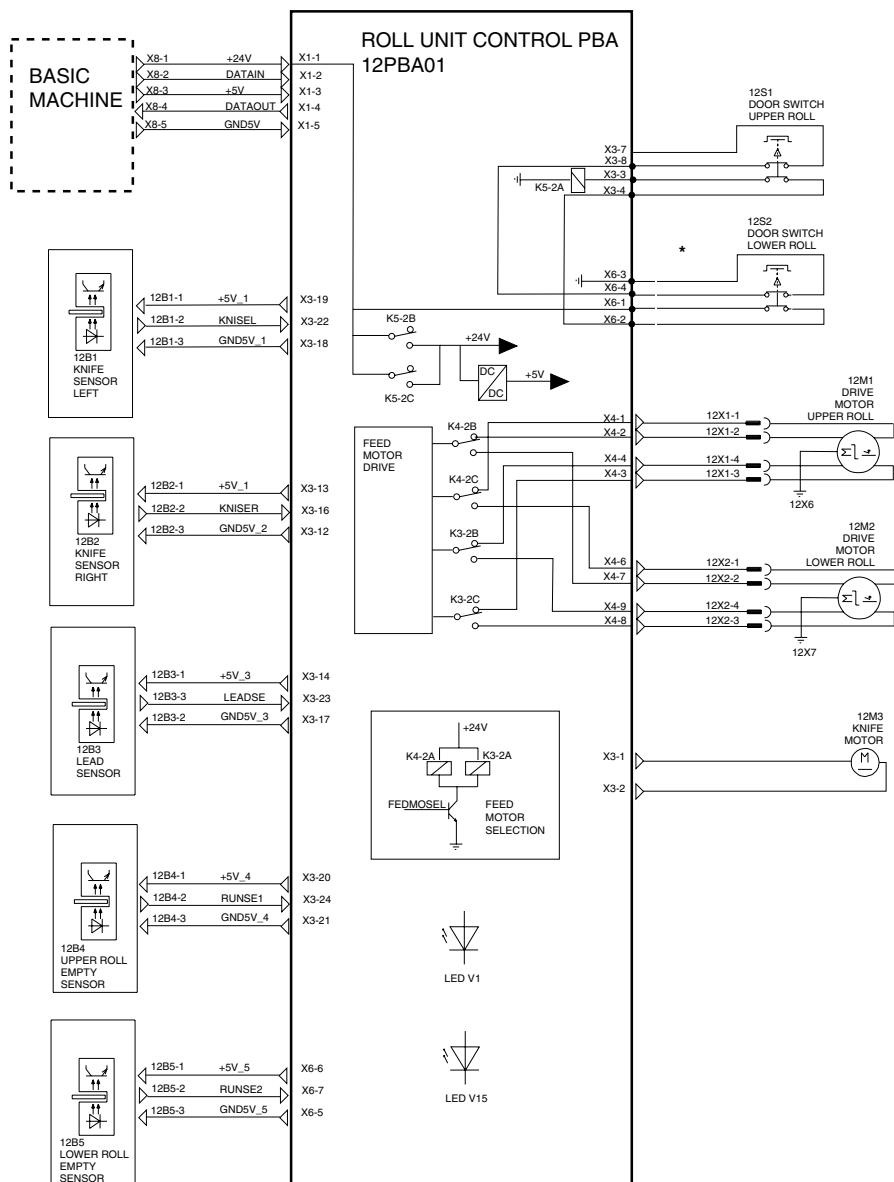
The upper roll or the lower roll are selected by means of the signal FEDMO-SEL. This signal activates or de-activates the relays K3 and K4, thereby selecting the drive motor upper roll 12M1 or the drive motor lower roll 12M2.

An optional dew preventer can be connected.

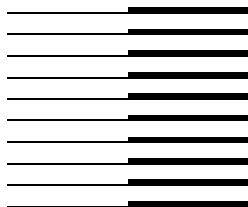
Note: *It is advisable to switch on the dew preventer when the relative humidity is > 65%.*

A LED V1 is located on the roll unit control PBA 12PBA01. During normal operation this LED flashes with a frequency of 2.5 Hz. When this is not the case, there is something wrong with the software.

LED V15 indicates if the 5V is present.



* In case of an Océ 7055 configuration, X6 pins 1-2 and pins 3-4 are bridged by jumpers.

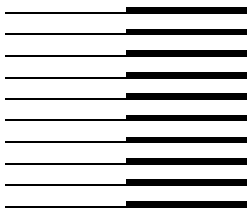


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Paper transport





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Paper transport



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- 1 Head margin manual feed 301
- 2 Upper paper guide plate position 301

Disassembly

- 1 Paperfeed table 401

Functional description

- 1 Paper input 501
- 2 Paper output 502

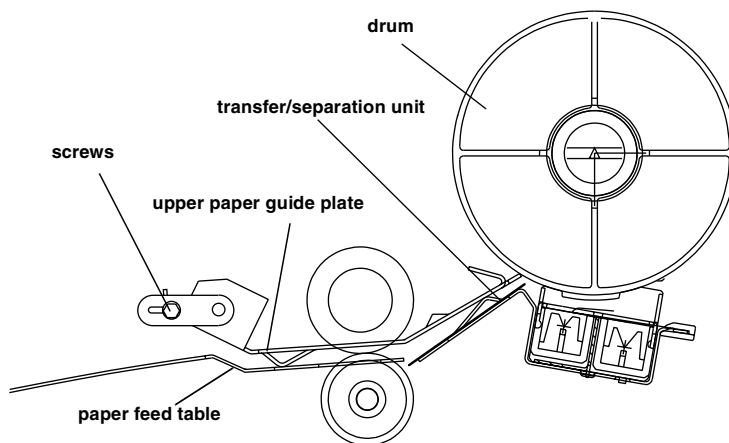
Adjustments

1 Head margin manual feed

- Use for copy material A1 plain paper 75 grs/m² (20 lbs).
- 1 Make a copy of the test chart with manual feed.
- 2 Measure the head margin (compare with the test chart).
- 3 Adjust with SDS test 0, -3 the head margin to approx. -1 ± 1 mm. (See Faults [page 30](#)).
- The leading edge of the original must just not be visible on the copy.

2 Upper paper guide plate position

- 1 Make sure that:
 - The drum is positioned correctly.
 - The transfer/separation unit is installed.
 - The paper input cover is closed.
- 2 Loosen the screws (2x).
- 3 Slide the upper paper guide plate towards the drum, until it touches the flanges of the drum on both sides.
 - Make sure that the transfer/separation unit is not pushed downwards.
- 4 Tighten the screws (2x).



Disassembly

1 Paperfeed table

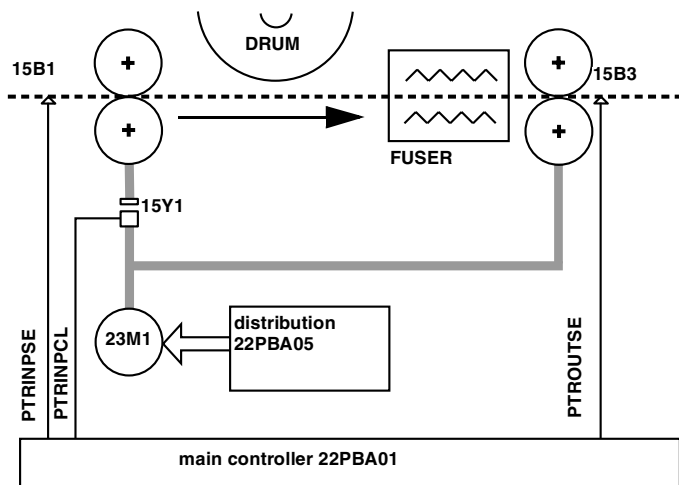
When you removed the paperfeed table and placed it again, you have to check the following:

- 1 Open the fuser unit.
- 2 Push the lower paper guide plate (Z0210-8) towards the front.
Note: *You should now feel that the lower paper guide plate is spring loaded.*

Functional description

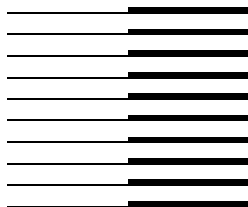
1 Paper input

The paper input sensor 15B1 detects if paper is present. After a certain time delay to ensure proper alignment against the first pinch, the paper input clutch 15Y1 is energized and the main motor 23M1 drives the paper input rollers. Just before the paper reaches the drum, the paper input clutch 15Y1 is de-energized and the paper stops. The paper is now in the first pinch. When the original and paper are present and the fuser temperature is correct, the original and paper are synchronised, and the paper transport continues. As soon as the paper input sensor 15B1 is released, the next sheet can be fed in.



2 Paper output

The paper is transported by means of the paper input rollers and the paper output rollers. The paper output sensor 15B3 is located near the paper output rollers. This sensor checks the paper transport and timing. The sensor wheel of the paper output sensor 15B3 is driven by the paper. When there is no paper, the sensor wheel does not rotate and therefore no pulses are generated.

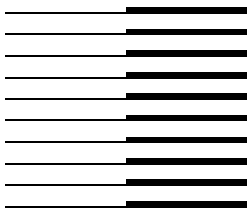


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Control





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Control



Contents

Disassembly

- 1 main controller 22PBA01 401
- 2 Low voltage supply 22PBA02 401

Functional Description

- 1 main controller 22PBA01 501
- 2 high voltage supply 22PBA04 501
- 3 low voltage supply 22PBA02 502
- 4 distribution 22PBA05 503
- 5 Timing diagram 503

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- 1 Connector layout 603

Disassembly

1 main controller 22PBA01

After installing a new main controller 22PBA01 place the EEPROM from the old main controller 22PBA01 and make the following adjustment:

- 05 Dev [303 "Toner sensor voltage setting"](#)

If you have to place a new EEPROM, select the country setting Europe or USA with SDS test +0, -1 (See Faults [page 29](#)) and make the following adjustments:

- 1 05 Dev [303 "Toner sensor voltage setting"](#)
- 2 04 Exp. [301 "Exposure maximum level"](#)
- 3 04 Exp. [302 "Exposure zero level"](#)
- 4 09 Ori. [301 "Image enlargement"](#)
- 5 15 Pap. [301 "Head margin manual feed"](#)

When you have an Océ 7055/7056, also the following adjustments / settings have to be done:

- 6 12 Pap. [301 "Paper feed roller correction"](#)
- 7 12 Pap. [301 "Lead sensor position correction"](#)
- 8 12 Pap. [302 "Headmargin roll feed"](#)
- 9 Select 1 roll or 2 roll configuration with SDS test +4, 0, -1 (See Faults [page 35](#)).

2 Low voltage supply 22PBA02

After installing a new low voltage supply 22PBA02 make the following adjustment:

- 05 Dev [303 "Toner sensor voltage setting"](#)

Functional Description

1 main controller 22PBA01

The main controller 22PBA01 controls the complete functioning of the machine.

Testpoint	Signal name	Explanation
TP1	GND	reference GND
TP2	+ 5V	Power supply measurement points.
TP3	+ 24V	
TP4	TONER SENS	Used for toner sensor adjustment (see 'Toner sensor voltage adjustment (upto machine 705025000/705530000)' on page 301 / see 'Toner sensor voltage adjustment (from machine 705025000/705530000)' on page 302 / see 'Toner sensor voltage setting' on page 303)
TP5	CONTROL VOLTAGE	
TP8	CONTROL VOLTAGE	

2 high voltage supply 22PBA04

The high voltage supply 22PBA04 provides the charge, separation and transfer coronas with high voltage. Also the bias voltage is generated

Testpoint	Signal name	Explanation
TB1	BIAS	-200V \pm 4V DC
TB2	GND	
TB3	SEPARATION	0.85 V \pm 0.1 V AC
TB4	TRANSFER	1 V \pm 0.1 V DC
TB5	CHARGE	1 V \pm 0.1 V DC

3 low voltage supply 22PBA02

The low voltage supply 22PBA022 provides the main controller 22PBA01 with 24V and 5V DC. It is protected against no-load, overload and short-circuit situations.

Warning: *When the fuse is blown, then problably the PBA is defective. Please replace the PBA.*

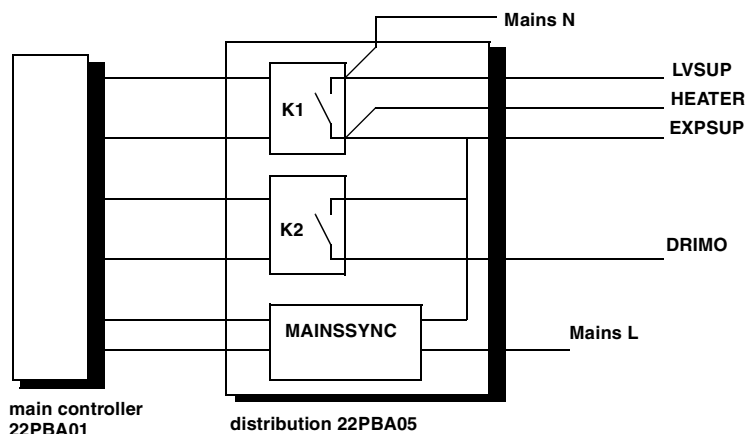
Testpoint	Signal name	Explanation
TB1		W1-TB1 configuration 115 V
TB2		W1-TB2 configuration 230 V
TB3	N	mains 230V ± 10% (115 V ± 10%) measured between TB3 and the fuse
TB4	GND24	Ground 24V
TB5	+24	+24 V DC ± 5% (22.8V - 25.2 V)
TB6	GND5	Ground 5V
TB7	+5	+ 5V DC ± 4% (4.8 V - 5.2 V)

4 distribution 22PBA05

The distribution 22PBA05 interfaces between the main controller 22PBA01 and the mains. Two relays are situated on this PBA.

- The safety relay K1 switches the front fuser 08E1, the rear fuser 08E2 and the exposure supply.
- The main motor relay K2 switches the main motor 23M1.

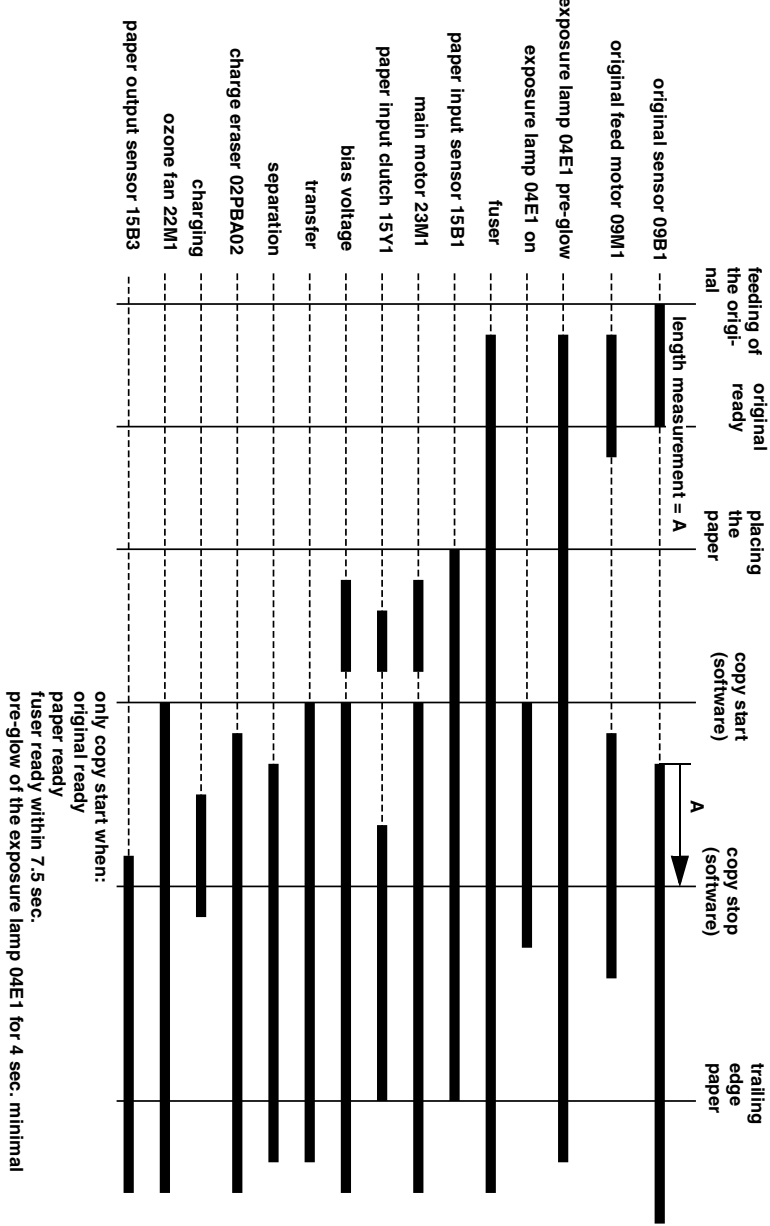
The distribution 22PBA05 also generates a synchronisation signal for the main controller 22PBA01.



5 Timing diagram

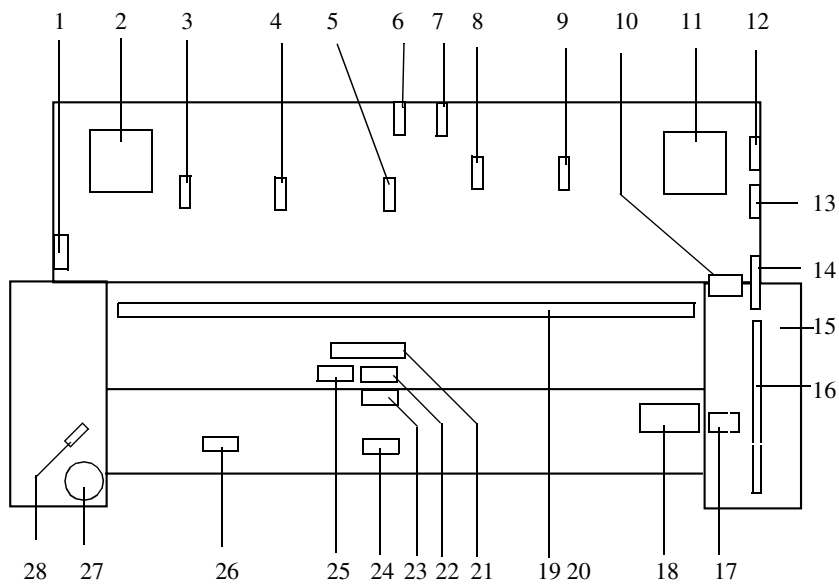
(See next page)

First feed the original in landscape then place the paper (manual feed)

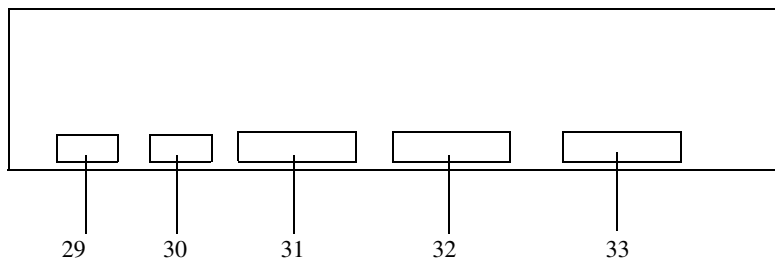


Component location

(See next page)



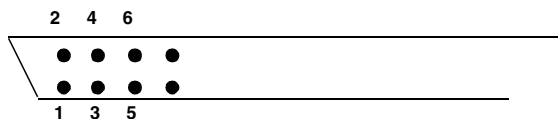
TOP VIEW

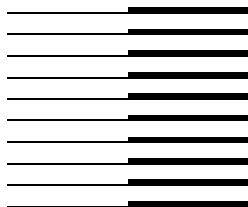


REAR VIEW

Code	Description	Nr.	Code	Description	Nr.
02PBA02	charge eraser 02PBA02	19	08S3	SSR 08S3	29
04E1	exposure lamp 04E1	20	09B1	original sensor 09B1	22
04PBA01	exposure supply 04PBA01	33	09M1	original feed motor 09M1	10
04PBA02	exposure sensor 04PBA02	25	09PBA01	original feed motor control 09PBA01	14
05B1	toner concentration sensor 05B1	26	15B1	paper input sensor 15B1	23
05M1	toner supply motor 05M1	27	15B3	paper output sensor 15B3	6
05S1	toner supply switch 05S1	28	15S1	paper flap switch 15S1	24
08M1	fuser fan left 08M1	2	15Y1	paper input clutch 15Y1	17
08M2	fuser fan right 08M2	11	22M1	ozone fan 22M1	21
08R1	NTC left	3	22PBA01	main controller 22PBA01	32
08R2	NTC middle left	4	22PBA02	low voltage supply 22PBA02	31
08R3	NTC control	5	22PBA03	control panel 22PBA03	15
08R4	NTC middle right	8	22PBA04	high voltage supply 22PBA04	16
08R5	NTC right	9	22PBA05	distribution 22PBA05	30
08R6	NTC absorber	7	22Y1	copy counter 22Y1	1
08S1	fuser safety switch 08S1	12	23M1	main motor 23M1	18
08S2	fuser safety switch 08S2 (110V only)	13			

1 Connector layout



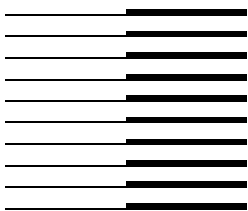


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Drive





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Drive



Contents

Adjustments

- 1 Tension of the drive belt of the original rollers 301
- 2 Tension of the drum drive belt 301
- 3 Tension of the main drive belt 302

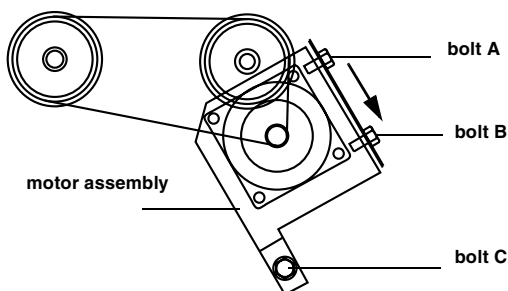
Disassembly

- 1 main motor 23M1 removal 401

Adjustments

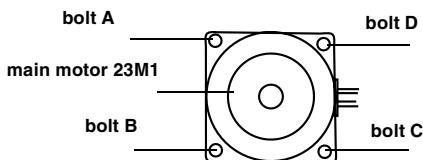
1 Tension of the drive belt of the original rollers

- 1 Loosen the bolts A, B and C.
- 2 Push the motor assembly in the direction of the arrow.
- 3 Tighten bolt B.
- 4 Tighten bolts A and C.



2 Tension of the drum drive belt

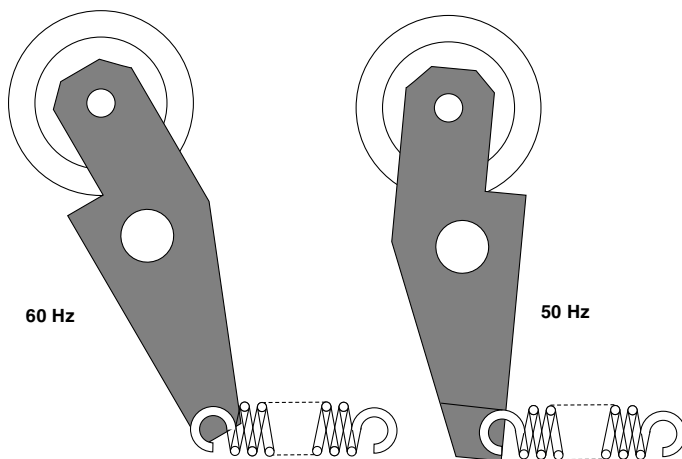
- 1 Loosen the bolts A, B, C, and D.
- 2 Loosen the 2 screws in the protection cover. Lift the protection cover and turn to the rear.
- 3 Release the tension from the main drive belt.
- 4 The drum drive belt tension is determined by the weight of the main motor 23M1.
- 5 Tighten bolt A and then the bolts B, C and D.



- 6 Adjust the tension of the main drive belt. See 23 Drive page [302 adj. 3](#)

3 Tension of the main drive belt

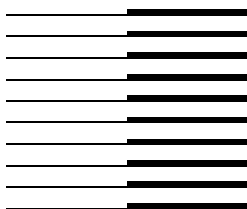
The tension of the main drive belt is determined by a tensioner. The position of this tensioner is related to the configuration. (50 Hz or 60 Hz.).



Disassembly

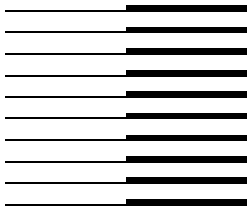
1 main motor 23M1 removal

- 1 Remove the heater unit (See 08 Fus. [page 402](#)).
 - 2 Disconnect the connectors from the main motor 23M1.
 - 3 Remove the connectors from the high voltage supply 22PBA04.
 - 4 Remove the connector from the paper input clutch 15Y1.
 - 5 Remove the high voltage supply 22PBA04.
 - 6 Release the tension of the main drive belt.
 - 7 Remove the toothed belt pulleys from the main motor 23M1 (circlip).
 - 8 Push the paper flap to the rear (loosen 2 screws).
 - 9 Remove the main motor 23M1 (4 screws).
- Note:** *When assembling, first adjust the tension of the drum drive belt before placing the high voltage supply 22PBA04 (See 23 Drive [301 adj. 2](#)).*



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Contents

Customer, Environment, Consumables

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- 2 Site conditions 3
- 3 Configuration (modelgroup 130: De PPC 7050) 6
- 4 Environmental and safety aspects 7
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- 6 Copy material that can be used 9

Customer, Environment, Consumables

1 Technical specifications

Process	Dry indirect electrostatic
Exposure	Slit exposure with one fluorescent lamp and SLA
Developing system	Binary toner
Fixing system	Instant heating
Warm-up time	None
1:1 Accuracy	1:1 ($\leq \pm 0.5\%$ upto A0/E formats $\leq \pm 1\%$ upto 3 metres
Image width	Max. 914 mm (36")
Copying speed	3 m/min.

2 Site conditions

Dimensions

	Width		Height		Depth	
	mm	"	mm	"	mm	"
Engine	1352	53	400	16	795	31
Stand with copy receiver	1352	53	1240	49	900	35
Stand with copy receiver plus 2 shelves A1						
Stand with copy receiver plus 2 manual rolls						
Stand with copy receiver plus 1 automatic roll						
Stand with copy receiver plus 2 automatic rolls						

Weights

	Unpacked		Packed*	
	kg	lbs	kg	lbs
Engine	85	187	104	229
Stand with copy receiver	114	251	135	298
Stand with copy receiver plus 2 shelves A1	127	280	147	324
Stand with copy receiver plus 2 manual rolls	135	298	160	353
Stand with copy receiver plus 1 automatic roll	152	335	170	375
Stand with copy receiver plus 2 automatic rolls	162	357	180	397

* box included

Floor load

	kg per m ² *	lbs/sqyd
Engine	53	98
Stand with copy receiver	60	111
Stand with copy receiver plus 2 shelves A1	62	114
Stand with copy receiver plus 2 manual rolls	65	120
Stand with copy receiver plus 1 automatic roll	68	125
Stand with copy receiver plus 2 automatic rolls	70	129

* According to our norm NEN 1055 the maximum allowable floor loads are:

- wooden floors 150 kg/m²
- system floors 150 kg/m²
- concrete floors 250 kg/m²

Electrical supply

Frequency	Voltage	Configuration	Max. current
50 Hz \pm 1 Hz	230 V \pm 10%	L1	1st. 8.3 A run 7 A
60 Hz \pm 0.5 Hz	230 V \pm 10%	L1	1st. 8.3 A run 7 A
60 Hz \pm 0.5 Hz	115 V \pm 10%	L1	1st. 15 A run 12 A
Note: The machine is fused for max. 10 amp in the 230 V version and for max. 20 amp for the 115 V version.			

Roomtemperature (T) and relative humidity (RH)

Performance	T in ° C	T in ° F	RH in %
Recommended environment Guaranteed performance according to the specifications. See 09-ORI- page 502	20 - 27	68 - 81	30 - 60
Operating environment Reasonable performance without permanent degradation (See note)	17 - 30	63 - 86	20 - 80

Note: Reasonable performance

Outside the recommended environment, but in the operating environment, not all aspects of the copy quality will be according to the specifications indicated (See 09-ORI-[page 502](#)). To improve the performance, additional measures regarding “dew-prevention” and regarding storage of copy media are required. In machines equipped with a manual or automatic roll feed, a dew preventor can be installed (optional).

Roomvolume and ventilation

- Recommendation: minimal room volume 25 m³ (33 cu yd)
- Recommendation: minimal room ventilation 0.5 times/hour refreshment of room-air (natural ventilation).

NH3 level

Performance according to the specifications indicated on 09-ORI-[page 502](#) is guaranteed in NH3 environment if the maximum concentration in the room is 25 ppm (MAC-value in USA and NL)

Altitude

625 mb \leq Air pressure \leq 1050 mb

3 Configuration (modelgroup 130: De PPC 7050)

Model series	Configuration type	Machine type	Description	Machine subtype
7050 LV PPC Manual	7050 LV plain paper copier	7050 7049	base operating panel	M A
		7030	stand	L
		7031	A1 paper shelves	L
		7032	manual 2 rolls module	L
		7033	A0 paper tray	L
		7037	dew preventer	L
7050 LV PPC Manual	7051 LV plain paper copier + retention	7051 7048	base operating panel	M A
		7030	stand	L
		7031	A1 paper shelves	L
		7032	manual 2 rolls module	L
		7033	A0 paper tray	L
		7037	dew preventer	L
7055 LV PPC Automatic	7055 LV plain paper copier + retention + 1 automatic roll	7055 7047	base operating panel	M A
		7030	stand	L
		7035	automatic 1 rol module	P
		7033	A0 paper tray	L
		7037	dew preventer	L
7055 LV PPC Automatic	7056 LV plain paper copier + retention + 2 automatic rolls	7056 7046	base + stand operating panel	M A
		7030	stand	L
		7036	automatic 2 rolls mod- ule	P
		7033	A0 paper tray	L
		7037	dew preventer	L

4 Environmental and safety aspects

Emission of heat

Condition	Standby (max.)		Continuous copying (max.)	
	Watt	Btu/s	Watt	Btu/s
Engine	10	0.01	1500	1.422
Stand with copy receiver plus 1 automatic roll	10	0.01	1500	1.422
Stand with copy receiver plus 2 automatic rolls	10	0.01	1500	1.422

Emission of ozone

Condition	Maximum		Typical*	
	mg/m ³	ppm	mg/m ³	ppm
In a room with minimal volume of 25 m ³ (33 cu yd) and a minimal ventilation of 0.5 times per hour	< 0.04	< 0.02	0.017	0.0085

Emission of dust

	In mg/m ³	
Condition	Maximum	Typical*
Dust particles	0.25	0.1

* Definition of "Typical":

Typical specifications as values deducted under nominal machine, voltage and environmental conditions, using Engineering Proto Types (EPT's). Under different circumstances values may not be valid.

Soundpressure

Condition	In db(A)			
	Maximum		Typical*	
	Standby	Run	Standby	Run
Engine	0	< 61	0	57
Stand with copy receiver plus 1 automatic roll	0	65	0	61
Stand with copy receiver plus 2 automatic rolls	0	65	0	61

Soundpower

Condition	In db(A)			
	Maximum		Typical*	
	Standby	Run	Standby	Run
Engine	0	< 65	0	64
Stand with copy receiver plus 1 automatic roll	0	71	0	69
Stand with copy receiver plus 2 automatic rolls	0	71	0	69

Radio interference

WE	TUV	FS		
USA	FCC			

Approvals

WE	TUV	GS		
USA/CAN	UL/cUL	CSA	FCC Class B	
EEG	CE			

* Definition of “Typical”:

Typical specifications as values deducted under nominal machine, voltage and environmental conditions, using Engineering Proto Types (EPT’s). Under different circumstances values may not be valid.

5 Originals that can be used

Overview of originals

<i>Originals</i>	<i>Minimum</i>	<i>Maximum recommended</i>
Width	210 mm (8.5")	1000 mm (40")
Length	279 mm (10")	3000 mm (10') (max. 30 m)
Length in retention	1200 mm (48")	
Thickness	0.05 mm	1.5 mm
Weight	60 g/m ² (16 lbs)	120 g/m ² (32 lbs)

Mechanical conditions originals

Curls

> Ø 75mm (3") without help of operator

< Ø 75 mm (3") with help of operator

< Ø 50 mm (2") in carrier sheet

Paste ups

Paste ups should be pasted 100% at all edges or in carrier sheet

Filing strips

May be present at all edges of the original.

Maximum size of hole: Ø 36 mm (1.5")

Borders

Punching holes, reinforcement borders and damages may require operator interventions or use of carrier sheets

Folds

Wrinkles and folds may be visible on the copy

6 Copy material that can be used

Océ copy machines and materials are matched for optimal quality and performance. It is therefore recommended to use only approved Océ materials in the Océ 7050/7051.

A full list of Océ materials suited for use in the Océ 7050/7051, including plain paper, transparent paper, coloured papers and various polyester films is available from your Océ representative.

Overview of copy material

<i>Copy material</i>	<i>Recommended</i>	
Plain paper	75 g/m ²	20 lbs
Transparent paper	110 g/m ²	30 lbs
Vellum	20 lbs	
Polyester film	3.5 mil	
ECO papers	75 g/m ²	20 lbs
	<i>Minimum</i>	<i>Maximum</i>
Width	297 mm	914 mm (36")
Length	420 mm (17")	any manageable length

Attention: Paper- and transparent material is sensitive to high humidity. To ensure optimal copy quality it is advised to keep the copy materials in the packaging specially overnight.

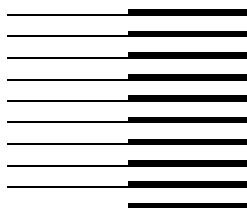
Caution: Materials which are metal based or conductive are not designed to use in this machine and may result in injury to the operator.

Attention: If sheets of copy material are curled, feed them in with the curl facing down, otherwise you will damage the drum.

Compatibility review media

<i>Materials</i>	<i>Weight</i>	<i>Judgement</i>	<i>Remark</i>
Opaque paper	75 g/m ² (20 lbs)	good	
Opaque paper	110 g/m ² (30 lbs)	acceptable	Bad fusing at high % RH
ECO papers	75 g/m ² (20 lbs)	good/acceptable	
Transparent paper	80/85 g/m ² (22 lbs)	acceptable	
	90/95 g/m ² (25 lbs)	acceptable	
	110/115 g/m ² (30 lbs)	good	
Polyesterfilm	4.5 mil	acceptable	See 08 Fix. page 301
Polyester film	3.5 mil	good	
Clear polyester film	4 mil	acceptable	
Contrast film	3.5 mil	good	
Vellum	20 lbs	good	
Vellum	16 lbs	acceptable	
Contrast paper	135 g/m ² (36 lbs)	acceptable	Bad fusing at high % RH
Fluor paper	90 g/m ² (24 lbs)	acceptable	
Pastel paper	80 g/m ² (21 lbs)	acceptable	

- Good: means fully recommended
Acceptable: means acceptable for limited performance
Not suitable: means not suitable at all

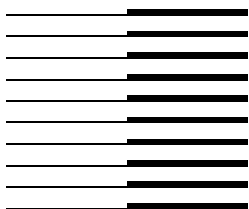


Technical Service Manual
Océ 7050



Maintenance





Technical Service Manual
Océ 7050



Maintenance



Contents

Maintenance

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Maintenance

1 Maintenance concept

The maintenance policy for the Océ 7050 is, according to other low and mid volume machines, to execute some Preventive Maintenance (PM) during a corrective Maintenance (CM) visit. We expect that the machine needs very little PM. Therefore the PM which has to be done during every CM visit is very limited. Besides this the operator will be stimulated to do operator maintenance.

PM, executed during a CM visit includes:

1 CHECK on wear and deviations.

During the lifetime of the machine parts will wear and adjustments will change due to use of the machine and the circumstances at the customers site. To ensure proper functioning, the machine must be checked every visit by means of the PM checklist.

2 CLEANING of vital sections.

Certain areas of the machine are sensitive to dust and toner pollution. The Océ 7050 has an air box inside which perfectly controls the air flow inside the machine and together with the seals, this results in very little pollution. This makes PM cleaning during every CM visit almost superfluous.

3 REPLACEMENT of (almost) worn parts.

When (almost) worn parts are not replaced in time, it can result in damaged or earlier replacement of more expensive parts in the machine before their expected lifetime and in additional service visits.

2 Preventive Maintenance Programmes

PM programme every visit

Item	Action	Remark
original glass	+	see “Cleaning the original glass” on page 7
pressure plate	+	cleaner A
waste toner bag	0/x	
output rollers	0/+	cleaner K
copy quality	0	service test original

0= check + = clean x = replace

PM programme (every year or 5000 lm).

CAS-C	item	action	remark
01	photoconductor	0	check for scratches, polish
	earth bush	+	
02	charging unit	+/0	see “Cleaning the charging unit” on page 7 . Check life time of the wire
04	exposure lamp	+	dry cloth
	original glass	+	see “Cleaning the original glass” on page 7
	lens array	+	cleaner O
	pressure plate	+	cleaner A
05	toner supply unit	+/0	clean outside check for leakage
	developing unit	+/0	clean outside check for leakage
	developer	0	lifetime
06	transfer/separation unit	0/+	See “Cleaning the transfer and separation unit” on page 8 . Check lifetime of the wires
	isolation mylar	+	cleaner A
07	cleaning unit	0	check for leakage
	cleaning blade	0	lifetime
	cleaning seals	0	
	exposure led PBA	+	brush
	waste toner bag	0/x	
08	fusing unit	0	inside
09	original rollers	0/+	water
	belt	0	tension
12	blocking wheel	0	see info bul. 1003
15	paper feed roller	+	water
	output roller	+	cleaner K
	pick off pawl	0/+	
23	belt	0	tension/damage

0= check + = clean x = replace

3 Estimated lifetimes

Code no.	Description	Quantity	Minimum (lm)	Target (lm)
2912.571	drum assy	1 pcs	15.000	20.000
2912.651	cleaning blade assy	1 pcs	15.000	20.000
2912.610	corona wires	3 pcs	10.000	20.000
2912.614	grid wire	15 mtr	20.000	20.000
2926741 2926744	developer EUR developer USA	1.6 kg	12.000	15.000
2912.379	exposure lamp	1 pcs	20.000	25.000
2912.395	original glass	1 pcs	10.000	20.000

4 Special tools

No special tools are required to service the Océ 7050. Only for checking and analysing copy quality deviations, maintenance purposes and for correct handling of the procedures, the following items are necessary:

Code number	Description
0831.382	Service test original
1068.117 (USA) 1068.116 (EUR)	Cleaner A (exposure glass)
1055.452	Cleaner O (lens array)
1055.449	Cleaner R (grid wire)
1929.023	Cleaner K (drum, output rollers)
1987.995	Cleaner P (drum)
1989.916 1987.750 1990.072	Cleaner T (fused toner remover) Cleaner T (fused toner remover) Cleaner T (fused toner remover)
5631.219	Conductive grease

5 Cleaning the charging unit

- 1 Take the charging unit out of the machine.
- 2 Remove the cover.
- 3 Remove dirt from the wire, grid, and the inside of the unit, without using any solvent.
- 4 Take with a pair of tweezers a piece of Masslinn cloth and moisten this with Cleaner R.
- 5 Clean the grid and the inside of the unit.
- 6 Dry everything with a piece of cloth.
- 7 Take with a pair of tweezers a piece of Masslinn cloth and moisten this with water.
- 8 Clean the wire.
- 9 Dry the wire with a piece of cloth.
- 10 Place the cover and put the unit back into the machine.

Note: *Corrosion on the inside of the charging unit does not influence the copy quality.*

6 Cleaning the original glass

Note: *Scratches on the surface of the original glass do not influence the copy quality.*

- 1 Clean both sides with cleaner A in horizontal and vertical direction.

7 Cleaning the transfer and separation unit

- 1 Take the transfer and separation unit out of the machine.
- 2 Remove the paper guides.
- 3 Remove dirt from the wires and the inside of the unit, without using any solvent.
- 4 Take with a pair of tweezers a piece of Masslinn cloth and moisten this with Cleaner R.
- 5 Clean the inside of the unit.
- 6 Dry everything with a piece of cloth.
- 7 Take with a pair of tweezers a piece of Masslinn cloth and moisten this with water.
- 8 Clean the wires.
- 9 Dry the wires with a piece of cloth.
- 10 Re install the paper guides and put the unit back into the machine.
Note: *Corrosion on the inside of the transfer and separation unit does not influence the copy quality.*

8 Cleaning the drum

Remove fused toner

- 1 Remove the drum and put it in the cleaning position (See 01-PHOT-[page 402](#))
- 2 Remove the loose toner with a clean piece of Masslinn cloth.
- 3 Moisten a clean piece of Masslinn cloth with cleaner K and remove the fused toner from the drum.
- 4 Moisten a clean piece of Masslinn cloth with cleaner K and remove the fused toner which is still on the drum.
- 5 Moisten a clean piece of Masslinn cloth with cleaner K and wipe the polluted area once more.
- 6 Make sure that the cleaner K has evaporated completely, and then wait for 1 more minute.
- 7 Re install the complete machine.
- 8 Make some test copies.
Note: *It is possible that the cleaned spot is lighter in dark area's. This phenomenon will disappear after 10 - 25 copies.*
- 9 Instruct the operator to lower the paper feed table when he removes a jammed sheet.

Cleaning / polishing the drum

Before cleaning the drum, make sure that the occurred problem is really related to the drum. Therefore the following operations should be carried out:

- Clean the corona units and wires
- If necessary, replace the developer
- Check the cleaning blade

Make some test copies of the service test original and check the quality as described in 09 ORI [page 502](#). Keep these copies for comparison with the copies after cleaning.

If it is found necessary to clean and polish the drum, the following points must be kept in mind:

- Do not smoke during this operation
- Collect used cotton wool and gloves used for cleaning in a plastic bag and dispose it confirm the local laws and regulations.
- Wash you hands well after the cleaning operation.
- Never touch the surface with your fingers, the OPC will crack.

Required materials	Code no.
Cleaner P	1987.995
Cleaner K	1929.023
Disposable gloves	2831.001
Plastic bags (20)	2813.013
Cotton wool	9714.529

Use the test copies to locate the weak points on the drum and give these extra attention during cleaning.

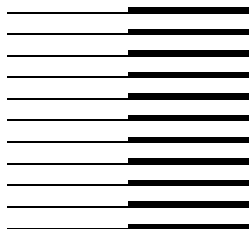
Procedure

- 1 Remove the drum and put it in the cleaning position (See 01-PHOT-[page 402](#))
- 2 Clean the sides of the drum surface with a dry cotton wool and then the rest of the drum surface.
- 3 Apply a little cleaner P to a piece of cotton wool and moisten the edges of the drum surface.
- 4 Take a new piece of cotton wool with cleaner P and moisten half of the remaining dry surface.
- 5 Treat the second half with a new piece of cotton wool and cleaner P.

- 6 Take a new piece of cotton wool with cleaner P. Rotate the drum slowly with one hand, while making a circular polishing motion with the hand holding the piece of cotton wool.
- 7 After this, polish the drum until it is shiny by rubbing firmly with clean cotton wool, while rotating the drum slowly. Continue polishing with new pieces of cotton wool until a new piece of cotton wool remains clean and the whole surface is shiny.
- 8 Clean with Cleaner K and wipe dry.

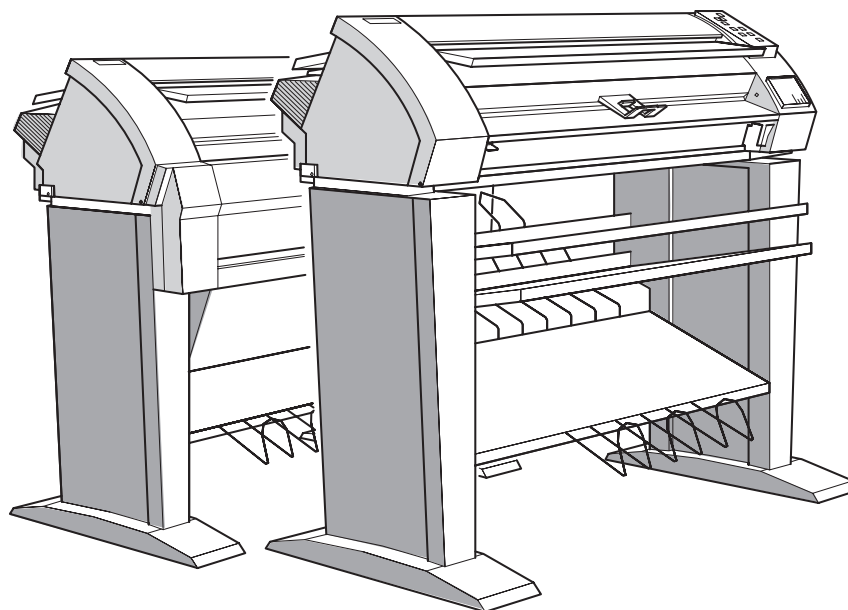
Testing

- 1 Re-install the complete machine.
- 2 Make about 10 test copies. The first copies will have a very low density but this will gradually improve.
- 3 Make some test copies and check the quality as described in 09 ORI [page 502](#).
- 4 If the result is not correct, repeat the cleaning again. If the result is still not satisfactory, replace the drum.



Technical Service Manual

Océ 7050 Family plain paper copiers



Partslist

Code nr. 0109.634
ed. 6 Date 04-2001

Contents

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Z-0210 Air section	Z-2400 Stand A0, Océ 7033
Z-0400 Photoconductor/exposure/ original section	Z-2500 Frame and covering
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Z-1205 Manual 2 roll device, section 1, Océ 7032	
Z-1208 Manual 2 roll device, section 2, Océ 7032	
Z-1210 Automatic 1 roll device, Océ 7035	
Z-1211 Automatic 1 roll device, frame Océ 7035	
Z-1215 Automatic 2 roll device, Océ 7036	
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Z-1217 Papercutting unit, Océ 7035-7036	
Z-1250 Dew preventer, Océ 7037	
Z-1500 Paper feed section	
Z-1505 Paper feed section, automatic roll	

Z-0030 Introduction

GROUPS:

- An illustration (exploded view) and a list of which the indexes refer to the illustration, subdivided in:

- INDEX:

- The indexnumber refers to the shown parts in the illustration. Indexnumbers that are placed on the right, occur in the illustration. Indexnumbers that are placed on the left, do not occur in the illustration.
- The characters A through K (except I) behind the indexnumber indicate the item as a replaced part.
- The characters L through Z (except O) are additional and can be seen as a normal indexnumber.

- PART NO.:

- The partnumber of the concerning part.

- DESCRIPTION:

- The description of the concerning part.
Description prefaced with “-” is a part of the preceding assy part of group.
- Description prefaced with “- -” is a part of the preceding assy part.
Description prefaced with “- - -” is a part of the preceding assy part.

- QTY ASSY:

- In this or these column(s) the quantity of the concerning part is indicated.

- GROUPNUMBER, EDITION AND DATE:

- At the bottom of the concerning group the groupnumber, edition and date are mentioned; these are the same in the illustration and in the list.
The pagenummering is also mentioned.

FASTENING MATERIALS:

- All fastening materials that are standard and used in the concerning machine(s) are taken up in this collective list (Z-2570).

TOOLS:

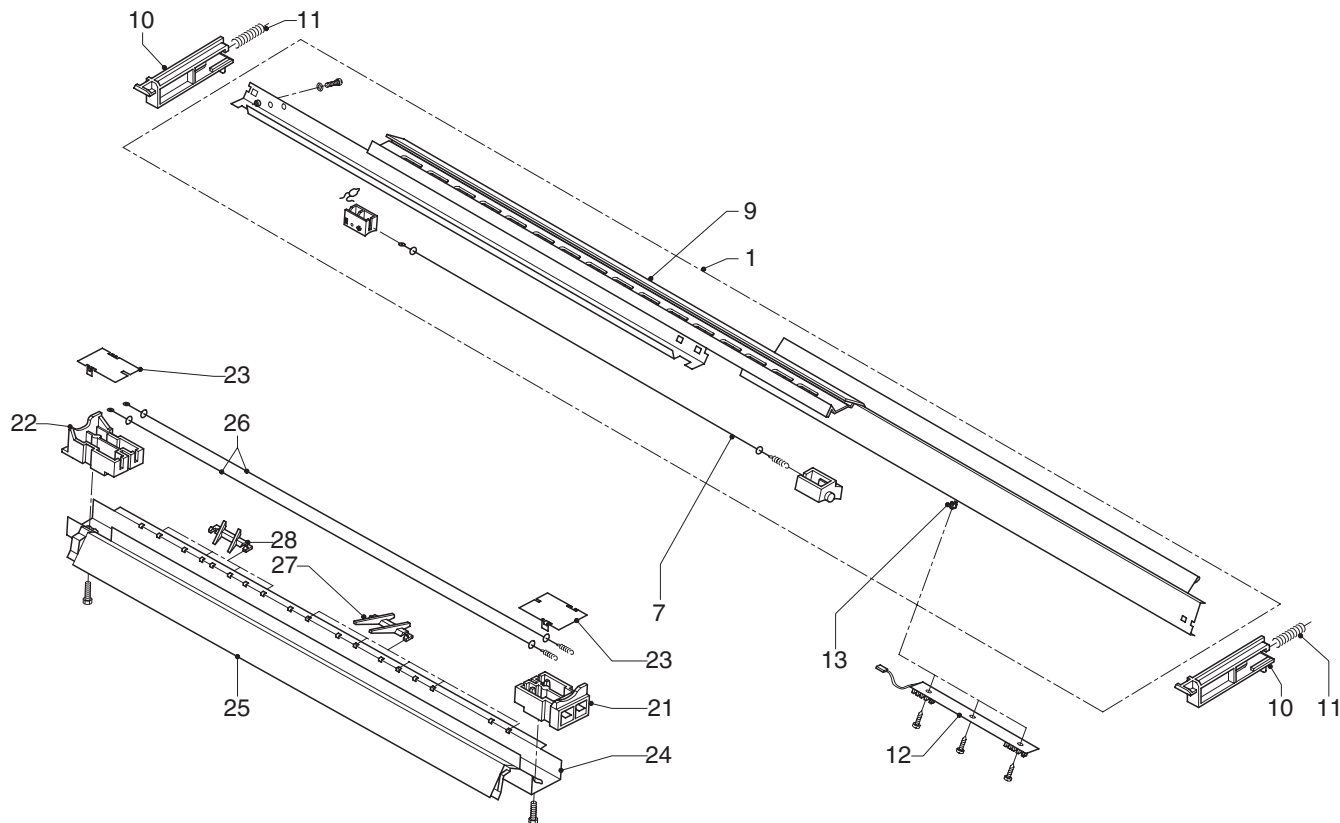
- All special tools needed by technicians to service the machine are taken up in this list (Z-2550).

ORDERING PARTS:

- When ordering parts state the following data:
- type of the machine (Océ 7050)
 - partnumber
 - description and quantity of the desired part.

Z-0200

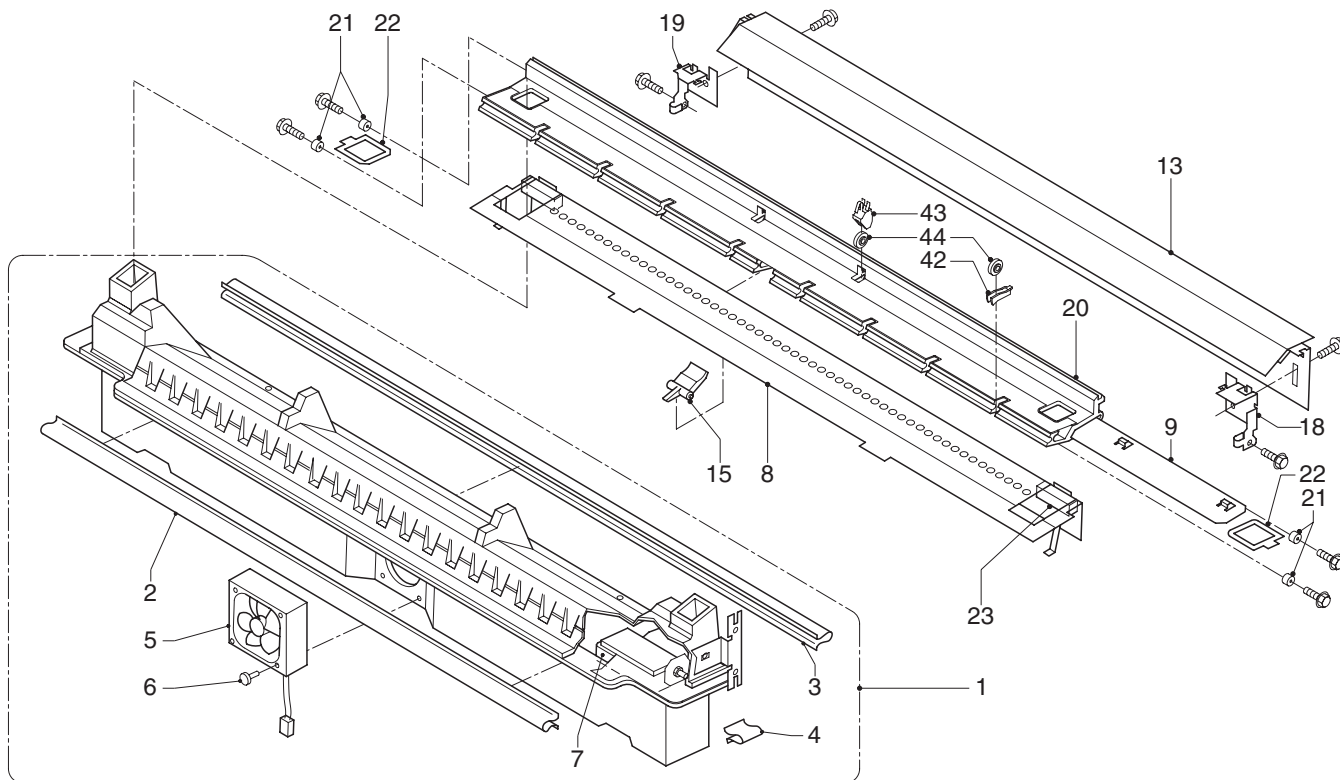
Charging / Transfer units



INDEX		PART NO.	DESCRIPTION	QTY
20			CHARGING / TRANSFER UNITS	1
	1	2912.625	- CHARGING ASSY	1
	7	2999.802	- - CORONA-WIRE CPL.	1
	9	2912.615	- - LID	1
	10	2912.620	- PRESSURE BLOCK	2
	11	3861.198	- COMPRESSION SPRING	2
	12	5583.883	- ERASER PBA	3
	13	2912.622	- BUSH	9
		2912.650	- TRANSFER ASSY	1
	21	2912.626	- - RIGHT BLOCK	1
	22	2912.628	- - LEFT BLOCK	1
	23	2999.727	- - LID	2
	24	7094.710	- - HOUSING CPL.	1
	25	2912.636	- - FLAP	1
	26	2999.802	- - CORONA-WIRE CPL.	2
	27	2912.639	- - RIGHT PAPER-GUIDE	5
	28	2912.640	- - LEFT PAPER-GUIDE	4

Z-0210

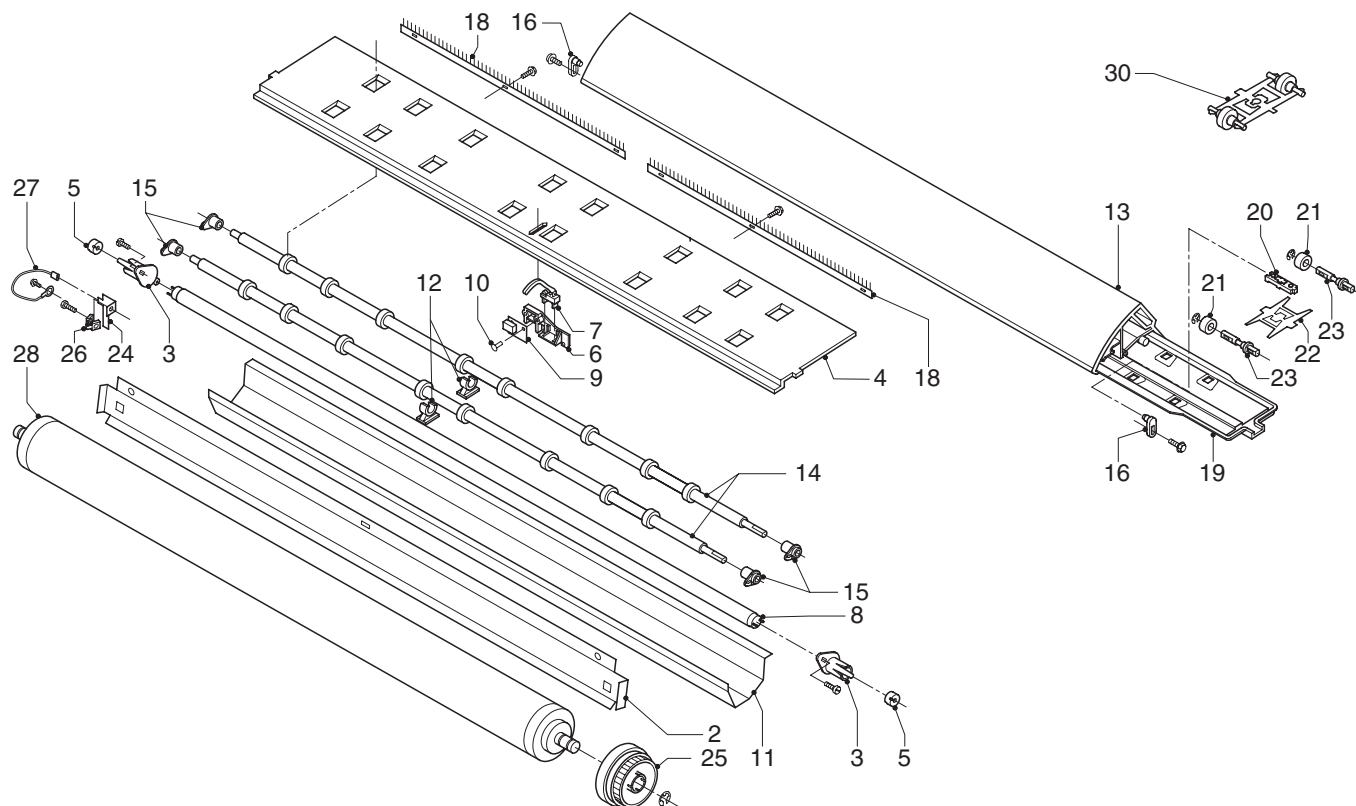
Air section



INDEX	PART NO.	DESCRIPTION	QTY
8L		AIR SECTION	1
	1	7048.518 - AIR SUPPLY ASSY	1
	2	2926.727 - - CLAMP	1
	3	2926.728 - - CLAMP	1
	4	2944.945 - - CLAMP	8
	5	2926.707 - - FAN MOTOR 24V	1
	6	2926.714 - - SNAP RIVET	4
	7	2926.715 - - FILTER	2
	8	2926.705 - GUIDE PLATE	1
		1828.054 - SEALING STRIP	2
	9	2945.093 - GUIDE PLATE	1
	13	2955.033 - COVER PLATE ASSY	1
	15	2912.644 - PICK PAWL	1
	18	2912.434 - RIGHT BRACKET	1
	19	2912.435 - LEFT BRACKET	1
	20	2945.094 - PROFILE ASSY	1
	21	2926.733 - BUSH	4
	22	2926.731 - SEAL PLATE	2
	42	2945.073 - HOUSING. FRONT. FROM MOD. 05	8
	43	2945.074 - HOUSING. REAR. FROM MOD. 05	2
	44	2945.075 - GUIDE WHEEL. FROM MOD. 05	10

Z-0400

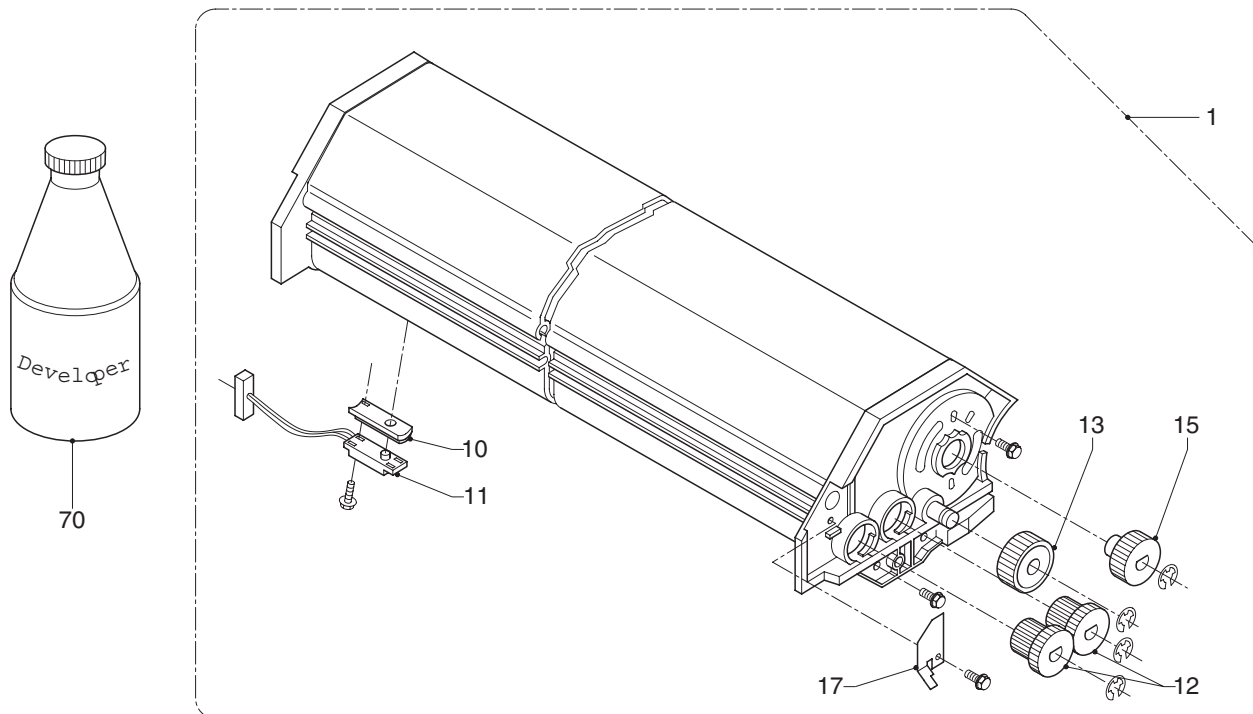
Photoconductor/exposure/ original section



INDEX	PART NO.	DESCRIPTION	QTY
		PHOTOCONDUCTOR / EXPOSURE / ORIGINAL SECTION	
	2 2912.389	- SLA ASSY	1
	3 2944.810	- LAMP HOLDER	2
	4 2912.395	- GUIDE PLATE	1
	5 2912.376	- LAMP CONNECTOR	2
	6 2912.382	- SENSOR HOLDER	1
	7 2912.357	- ACTUATOR ASSY	1
	8 2912.379	- TL LAMP	1
	9 5583.781	- EXPOSURE PBA	1
	10 2926.714	- SNAP RIVET (1 SET = 10 PIECES)	2
	11 2912.380	- LAMP GUARDING	1
	12 2945.213	- SUPPORT BEARING	2
	13 2945.219	- ORIGINAL PROFILE ASSY, UP TO 7050.20000, 7055.20000	1
13A	7083.696	- ORIGINAL PROFILE ASSY, FROM 7050.20000, 7055.20000	1
	14 7048.561	- ORIGINAL ROLLER	2
	15 2912.384	- PLAIN BEARING	4
	16 2912.387	- PIN	2
	18 7070.671	- BRUSH-DISCHARGE	2
	19 2912.336	- GUIDE-ORIGINAL PLATE	1
	20 2912.386	- SUPPORT	8
	21 2912.363	- PRESSURE ROLL	16
	22 2912.338	- LEAF SPRING	8
	23 2912.337	- SHAFT	16
	24 7045.269	- LEAF SPRING	1
	25 2912.529	- PULLEY GEAR	1
	26 2912.554	- SPRING HOUSING	1
	27 1037.688	- EARTH WIRE	1
	28 2912.571	- PACKED PHOTOCONDUCTOR	1
	30 2945.086	- CARRIAGE ASSY (MOD. 04)	8

Z-0502

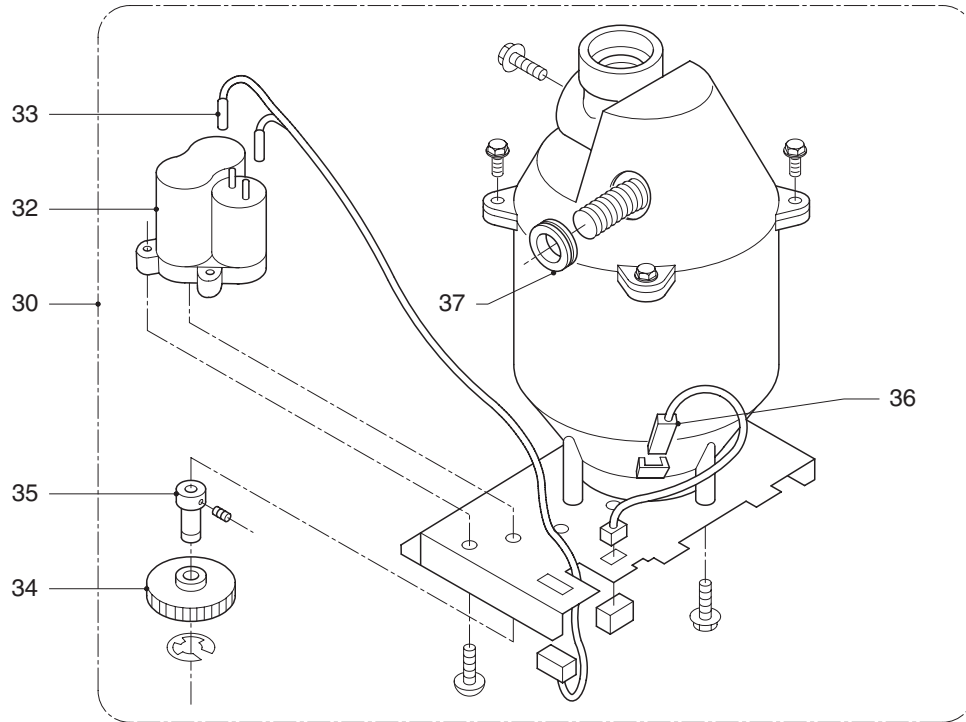
Developing section 1



INDEX		PART NO.	DESCRIPTION	QTY
1A 1L	1		DEVELOPING SECTION 1	1
		5600.347	- DEVELOPING ASSY, UP TO MOD. 10	1
		5600.404	- DEVELOPING ASSY, FROM MOD. 10	1
	10	7018.020	- - INSULATING STRIP, SEE MOD. 10	2
		2912.538	- - SENSOR HOUSING	1
		2926.816	- - TONER INDUCTIVE SENSOR	1
		2912.542	- - GEAR 25/15T	2
		2977.057	- - GEAR 27T	1
		2912.547	- - GEAR 25	1
		2912.549	- - CONNECTION PLATE	1
		2926.741	- DEVELOPER, EUR	1
		2926.744	- DEVELOPER, USA	1
	70A			

Z-0504

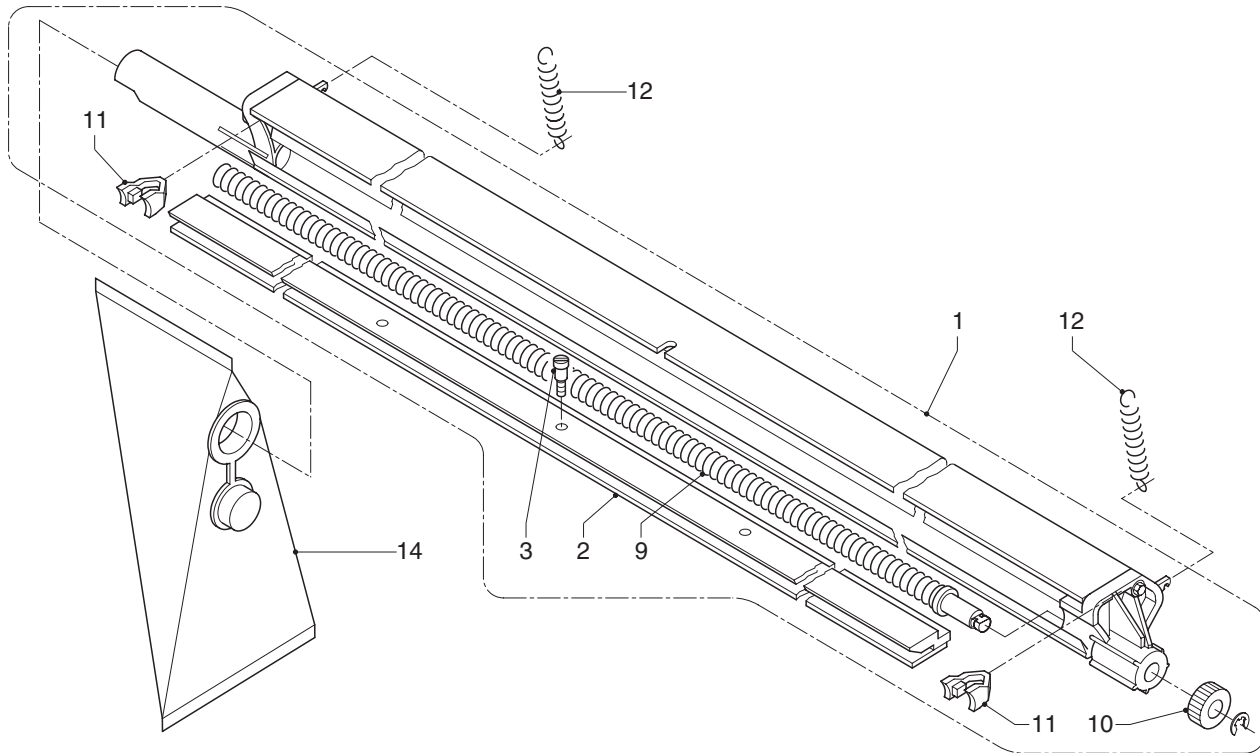
Developing section 2



INDEX		PART NO.	DESCRIPTION	QTY
			DEVELOPING SECTION 2	1
	30	7005.968	- TONER DOSAGE ASSY	1
	32	1933.256	- - DC MOTOR	1
	33	2912.321	- - 22W03 BUNDLE	1
	34	2912.683	- - GEAR 48T	1
	35	2912.598	- - SHAFT	1
	36	2912.592	- - MAGNETIC SWITCH	1
	37	2944.852	- - GROMMET	1

Z-0700

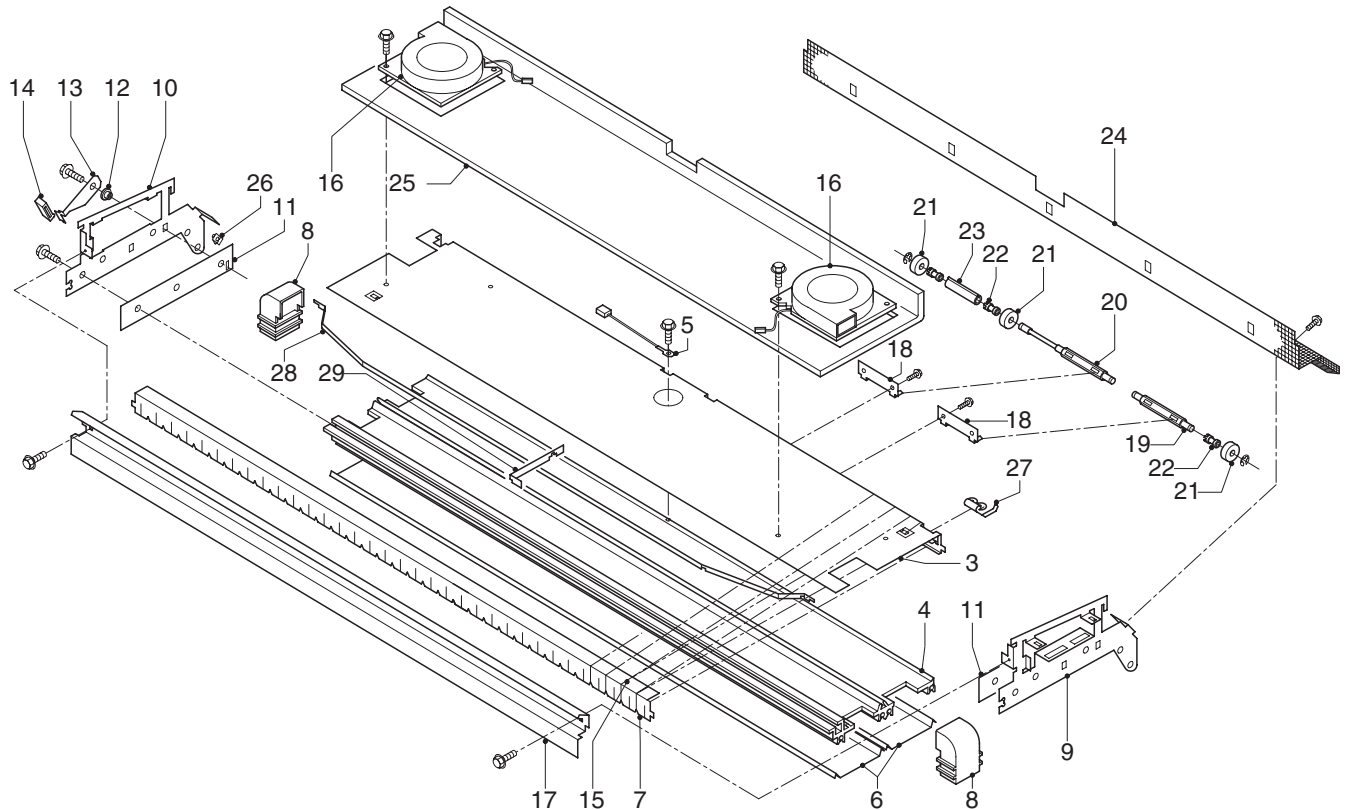
Cleaning section



INDEX		PART NO.	DESCRIPTION	QTY
			CLEANING SECTION	1
	1	5600.348	- CLEANING ASSY	1
	2	2912.651	- - CLEANING BLADE ASSY	1
	3	2185.028	- - SHOULDER SCREW	1
	9	7048.538	- - SHAFT, SPRING ASSY	1
	10	2912.667	- - GEAR 22T	1
	11	2912.669	- - SEAL PLATE ASSY	2
	12	2944.946	- TENSION SPRING	2
	14	2945.066	- WASTE TONER BAG	1

Z-0800

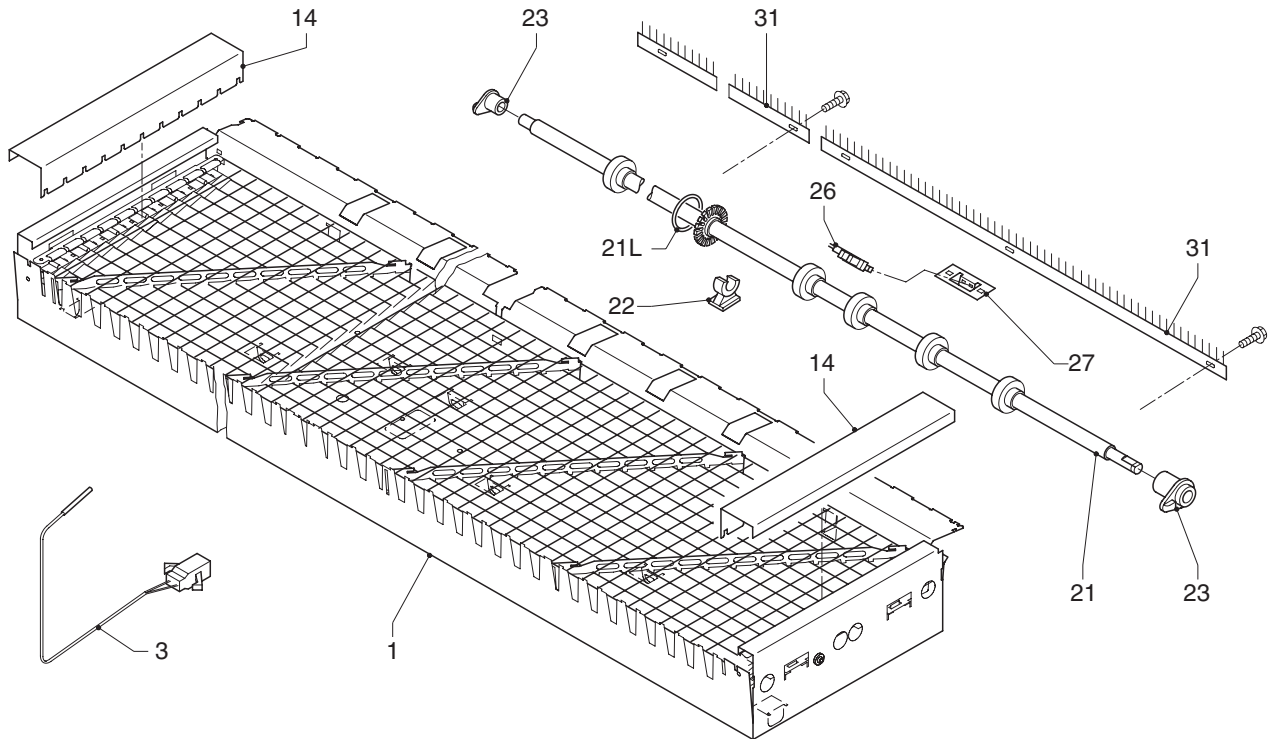
Fusing section 1



INDEX	PART NO.	DESCRIPTION	QTY
2		FUSING SECTION 1	1
	5600.360	- ABSORBER ASSY. 7055/56/50/51	1
	3 2945.240	- - UPPER PLATE	1
	4 2912.727	- - ABSORBER PLATE	1
	5 2912.745	- - NTC RESISTOR	1
	6 2912.729	- - FOIL	2
	7 2944.982	- - TENSION PLATE	1
	8 2912.731	- - ADAPTOR	2
	9 2945.238	- - RIGHT FRAME	1
	10 2945.237	- - LEFT FRAME	1
	11 7129.000	- - FOAM	2
	12 2912.762	- - RING	1
	13 2912.746	- - PLATE	1
	14 7094.564	- - GREEN KNOB	1
	15 2912.735	- - WIRE MAT SPEC	1
	16 2912.736	- - MOTOR 24V	2
	17 2945.239	- - FRONT PLATE	1
	18 2912.738	- - LEAF SPRING	4
	19 2912.739	- - SHAFT	2
	20 2912.740	- - SHAFT	2
	21 2912.742	- - ROLL	10
	22 2912.741	- - ROLL BEARING	10
	23 2912.743	- - BUSH	2
	24 7095.122	- - REAR PLATE	1
	25 2912.757	- - INSULATION	1
	26 1201.308	- - BUNDLE HOLDER	1
	27 2912.763	- - GUIDE	8
	28 2912.768	- - EQUALIZER PLATE	1
	29 2912.769	- - BRACKET	1

Z-0801

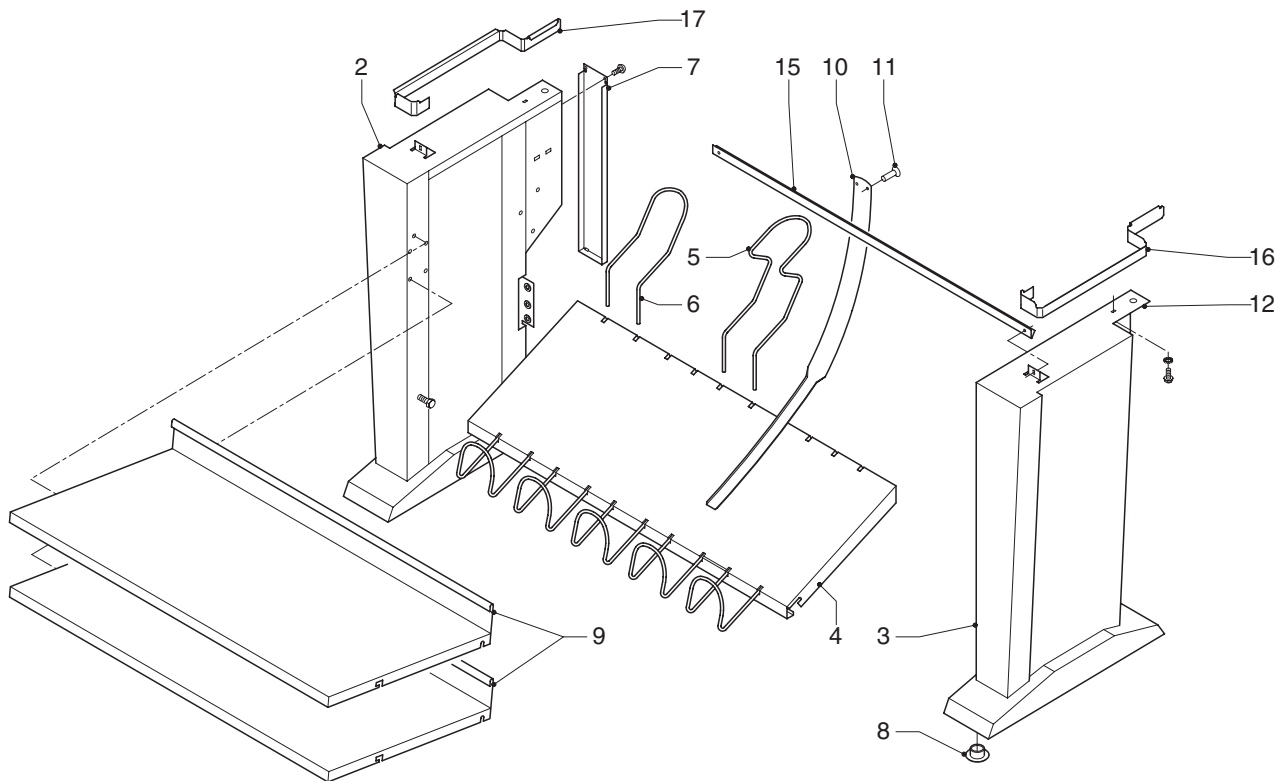
Fusing section 2



INDEX		PART NO.	DESCRIPTION	QTY
			FUSING SECTION 2	1
	1	7048.693	- HEATER ASSY	1
	3	2926.645	- - NTC RESISTOR	5
	14	2944.923	- SIDE REFLECTOR	2
	21	7048.558	- ROLLER ASSY	1
	21L	2944.889	- - O-RING	1
	22	2945.213	- SUPPORT BEARING	1
	23	2912.384	- PLAIN BEARING	2
	26	1201.226	- OPTO SENSOR	1
	27	2912.755	- SENSOR BRACKET	1
	31	7070.671	- DISCHARGE BRUSH	2

Z-1200

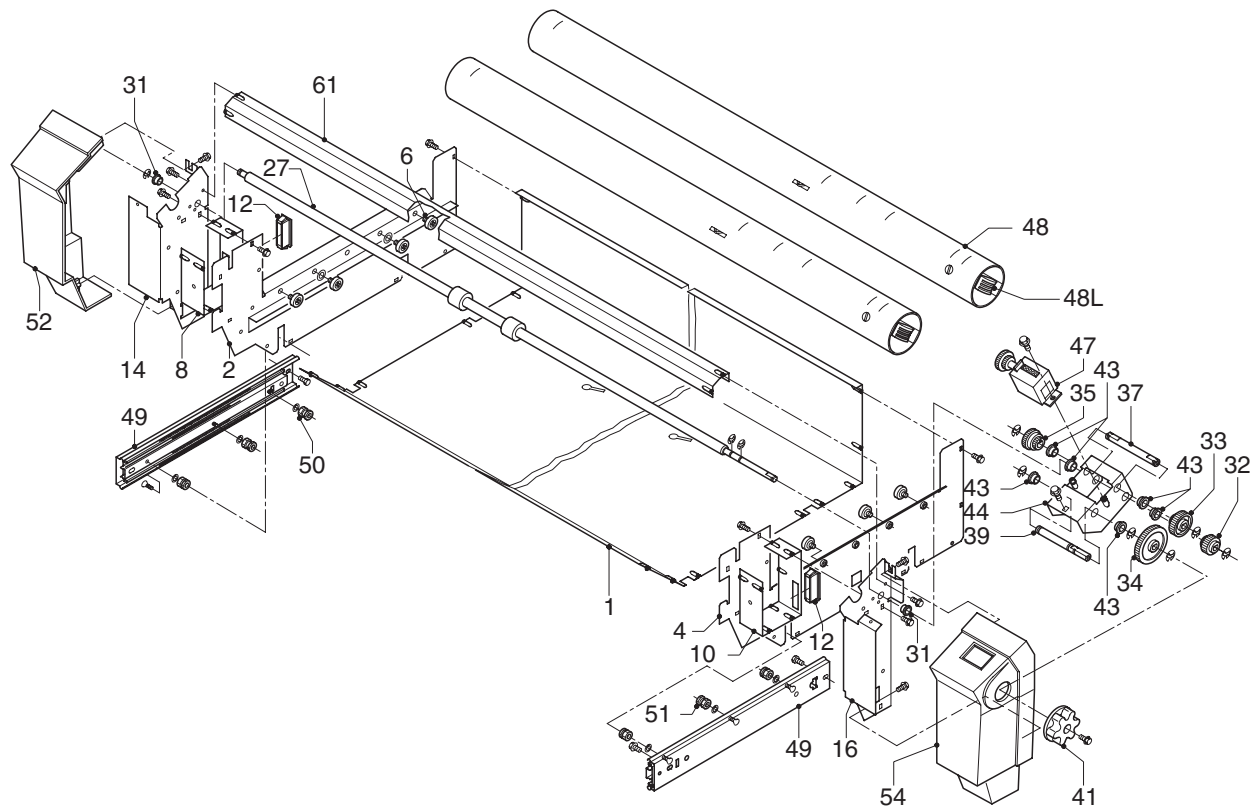
Stand, Océ 7030-7031



INDEX	PART NO.	DESCRIPTION	QTY
		STAND, Océ 7030-7031	1
2A	2	2999.745 - SUPPORT ASSY, UP TO 7050.20000, 7055.20000	1
		7094.385 - SUPPORT ASSY, FROM 7050.20000, 7055.20000	1
3A	3	2999.746 - SUPPORT ASSY, UP TO 7050.20000, 7055.20000	1
		7094.386 - SUPPORT ASSY, FROM 7050.20000, 7055.20000	1
4A	4	2955.060 - PLATE ASSY, UP TO 7050.20000, 7055.20000	1
		7094.380 - PLATE ASSY, FROM 7050.20000, 7055.20000	1
5A	5	2955.119 - REAR RACK, UP TO 7050.20000, 7055.20000	3
		7094.381 - REAR RACK, FROM 7050.20000, 7055.20000	3
6A	6	2944.743 - REAR RACK, UP TO 7050.20000, 7055.20000	2
		7094.356 - REAR RACK, FROM 7050.20000, 7055.20000	2
9A	7	2955.061 - COVER PLATE	1
	8	2955.030 - CAP	4
	9	2926.664 - PAPERSTOCK PLATE, UP TO 7050.20000, 7055.20000	2
		7094.353 - PAPERSTOCK PLATE, FROM 7050.20000, 7055.20000	2
	10	2944.753 - SHEET	4
	11	2944.766 - RIVET	8
	12	2912.474 - WASHER	2
	15	2945.060 - FRONT COVER STRIP (7050-7051)	1
	16	2945.005 - COVER STRIP, R,H, UP TO 7050.20000, 7055.20000	1
		7094.378 - COVER STRIP, R,H, FROM 7050.20000, 7055.20000	1
17A	17	2945.006 - COVER STRIP, L,H, UP TO 7050.20000, 7055.20000	1
		7094.379 - COVER STRIP, L,H, FROM 7050.20000, 7055.20000	1

Z-1205

Manual 2 roll device, section 1, Océ 7032

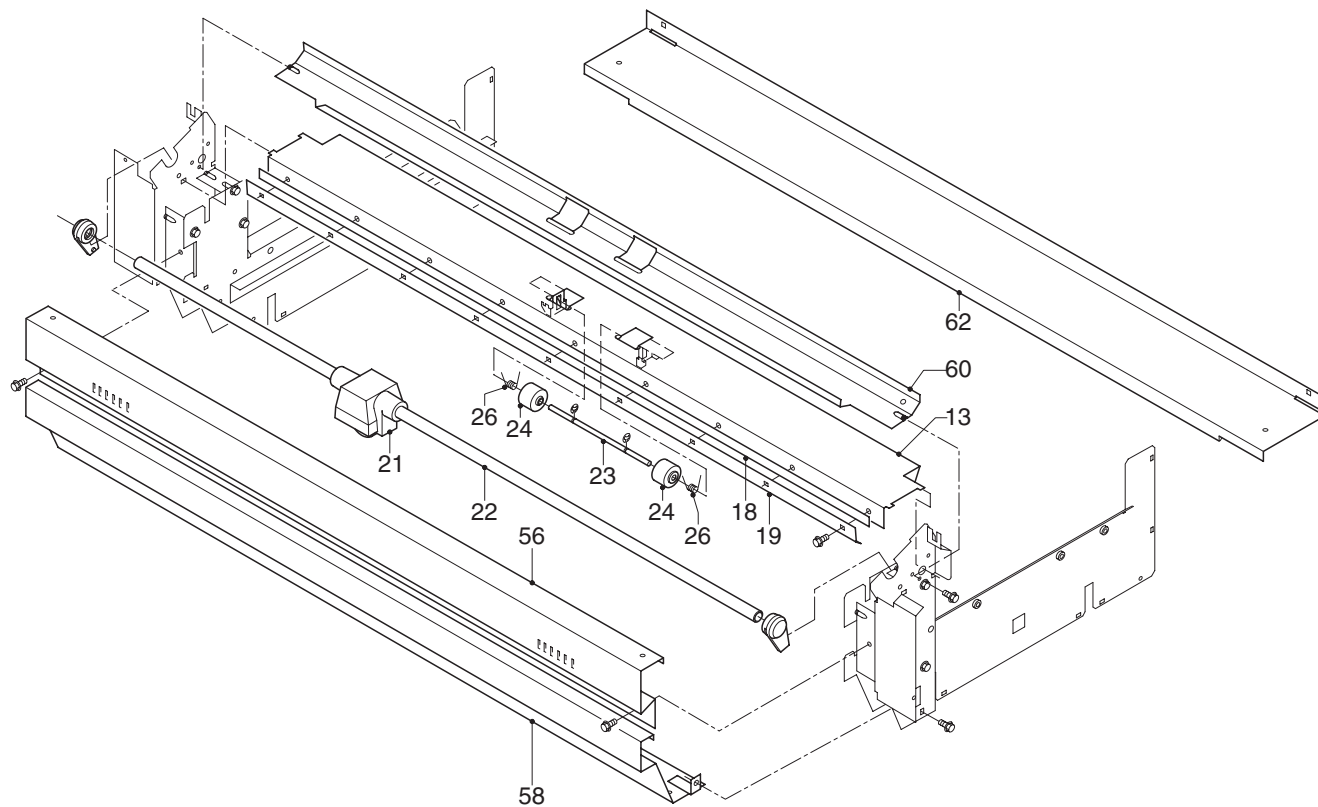


INDEX	PART NO.	DESCRIPTION	QTY
		MANUAL 2 ROLL DEVICE, SECTION 1, Océ 7032	1
1	2977.074	- BOTTOM PLATE	1
2	2945.058	- FRAME PLATE ASSY LEFT	1
4	2945.059	- FRAME PLATE ASSY RIGHT	1
6	2373.017	- RUNNING WHEEL	10
8	2944.779	- BRACKET LEFT	1
10	2944.780	- BRACKET RIGHT	1
12	1016.735	- MAGNETIC CATCH	1
14	2944.784	- PLATE LEFT, UP TO 7032.20000	1
14A	7094.361	- PLATE LEFT, FROM 7032.20000	1
16	2944.785	- PLATE RIGHT, UP TO 7032.20000	1
16A	7094.362	- PLATE RIGHT, FROM 7032.20000	1
27	2944.935	- DRIVE SHAFT ASSY	1
31	1017.191	- BEARING	2
32	2912.667	- GEAR 22T	1
33	2944.872	- GEAR 32T	1
34	2912.683	- GEAR 48T	1
35	2944.873	- GEAR 20/33T	1
37	2944.870	- SHAFT	1
39	2944.869	- SHAFT	1
41	2944.934	- KNOB, UP TO 7032.20000	1
41A	7083.717	- KNOB, FROM 7032.20000	1
43	3775.082	- BUSH	6
44	2944.867	- BRACKET	1
47	2944.799	- COUNTER ASSY	1
48	2981.659	- HOLDER ROLL ASSY, UP TO 7032.20000	2
48A	7094.389	- HOLDER ROLL ASSY, FROM 7032.20000	2
48L	2944.658	- - KNOB, UP TO 7032.20000	1
48M	7094.387	- - KNOB, FROM 7032.20000	1
49	2944.764	- RAIL	2
50	2944.654	- BUSH LEFT	3
51	2944.707	- BUSH RIGHT	3
52	2944.789	- COVER LEFT, UP TO 7032.20000	1

INDEX	PART NO.	DESCRIPTION	QTY
52A	7094.365	- COVER LEFT, FROM 7032.20000	1
54	2944.790	- COVER RIGHT, UP TO 7032.20000	1
54A	7094.366	- COVER RIGHT, FROM 7032.20000	1
61	2944.876	- COVER PLATE, UP TO 7032.20000	1
61A	7094.369	- COVER PLATE, FROM 7032.20000	1

Z-1208

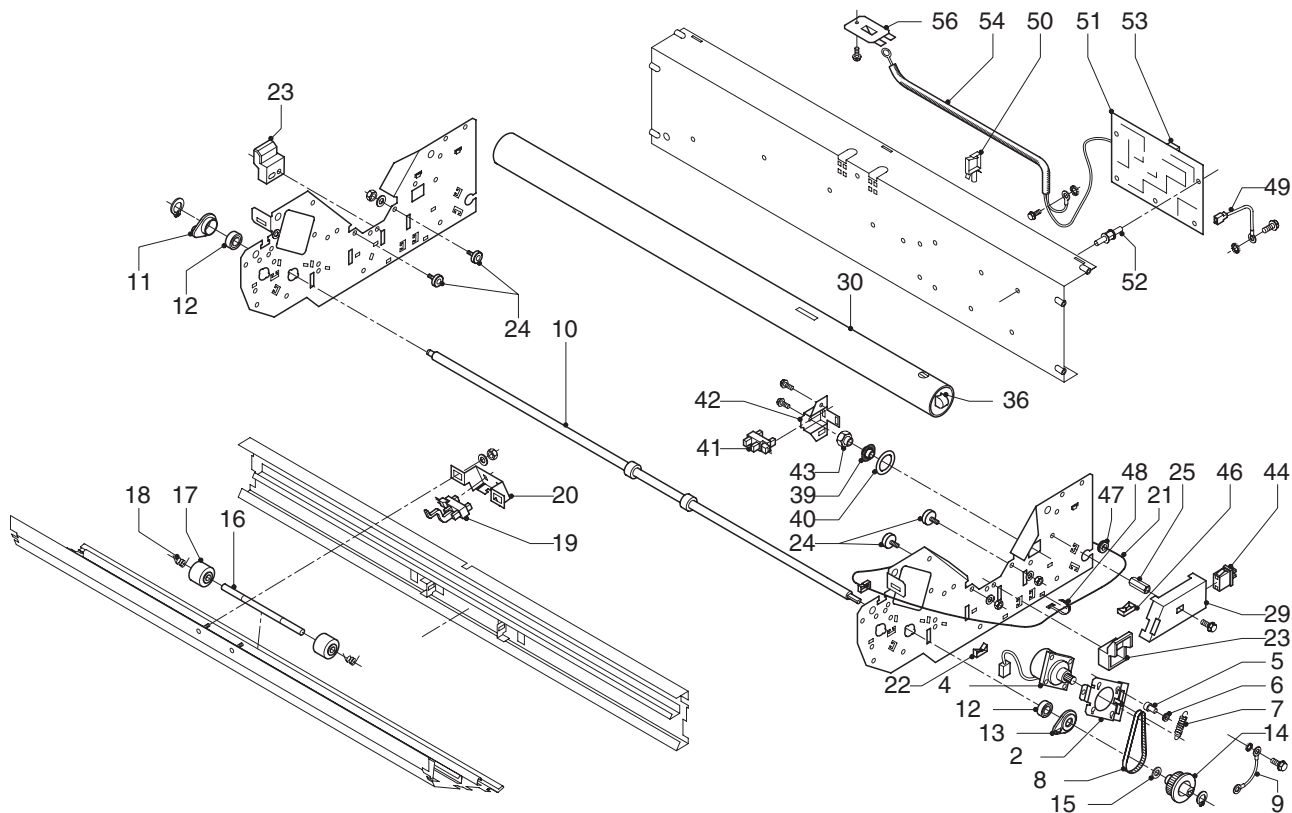
Manual 2 roll device, section 2, Océ 7032



INDEX		PART NO.	DESCRIPTION	QTY
13A			MANUAL 2 ROLL DEVICE, SECTION 2, Océ 7032	1
	13	2944.781	- PLATE ASSY, UP TO 7032.20000	1
		7094.360	- PLATE ASSY, FROM 7032.20000	1
	18	2944.782	- LINEAR KNIFE	1
	19	2944.783	- CLAMP PLATE	1
	21	2945.055	- CUTTER CPL.	1
	22	2944.794	- GUIDING SHAFT	1
	23	2944.586	- ROLLER SHAFT	1
	24	2944.757	- ROLL COMPLETE	1
	26	2944.584	- SPRING	1
	56	2944.786	- COVER GRIP, UP TO 7032.20000	1
	56A	7094.363	- COVER GRIP, FROM 7032.20000	1
	58	2944.787	- COVER FRONT ASSY, UP TO 7032.20000	1
58A		7094.364	- COVER FRONT ASSY, FROM 7032.20000	1
60A	60	2944.795	- PLATE CLAMP, UP TO 7032.20000	1
		7094.367	- PLATE CLAMP, FROM 7032.20000	1
62A	62	2944.866	- PLATE COVER, UP TO 7032.20000	1
		7094.368	- PLATE COVER, FROM 7032.20000	1

Z-1210

Automatic 1 roll device, Océ 7035

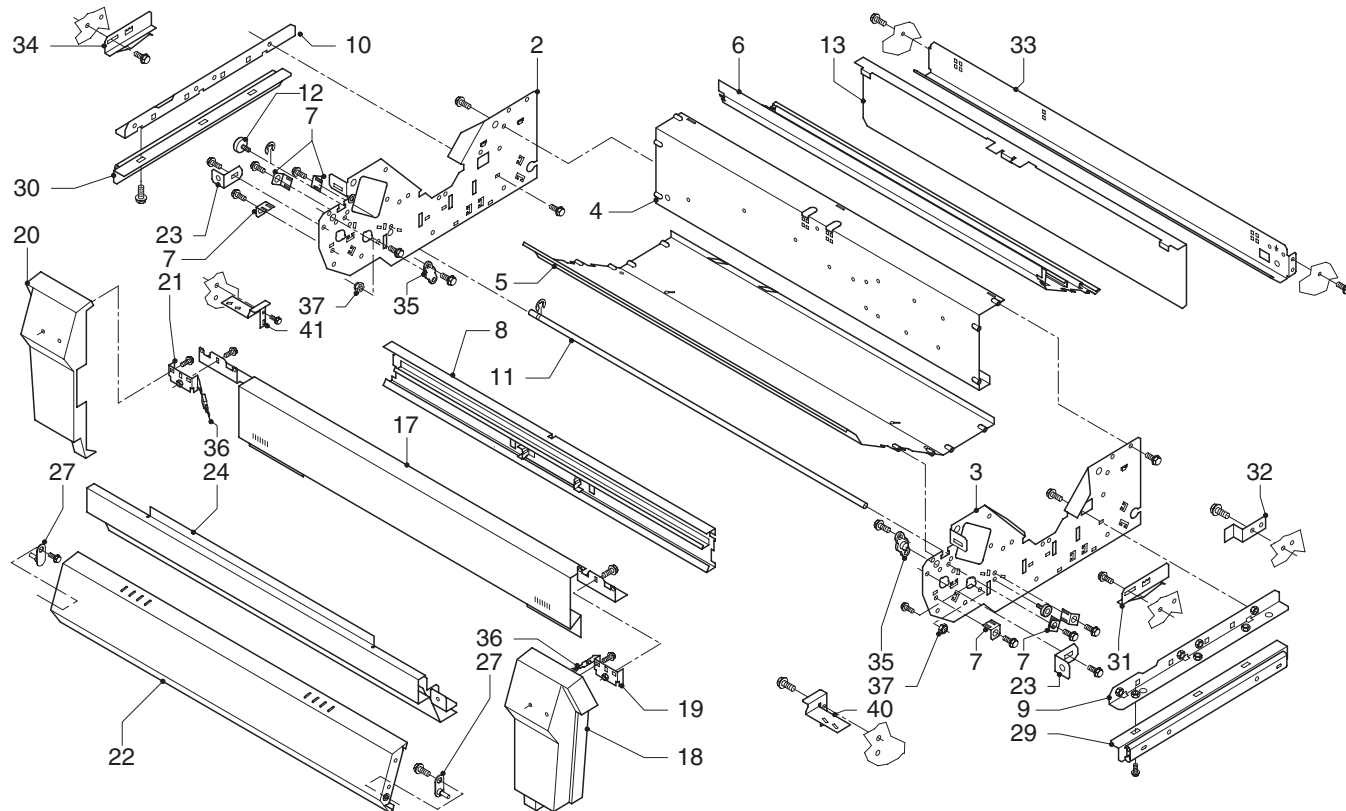


INDEX	PART NO.	DESCRIPTION	QTY
		AUTOMATIC 1 ROLL DEVICE, Océ 7035	1
2	2944.593	- MOTOR PLATE	1
4	2912.693	- DC STEP MOTOR	1
5	2912.699	- BUSH	2
6	2668.036	- GROMMET	4
7	3851.115	- TENSION SPRING	1
8	2333.064	- TIMING BELT	1
9	2912.367	- EARTH WIRE	1
10	2944.592	- DRIVE SHAFT	1
11	1033.513	- BEARING HOUSING	1
12	2351.008	- BALL BEARING	2
13	1033.514	- BEARING HOUSING	1
14	2912.685	- TIMING BELT PULLEY	1
15	3313.035	- RING	1
16	2944.586	- ROLLER SHAFT	1
17	2944.757	- ROLL COMPLETE	2
18	2944.584	- SPRING	2
19	2934.610	- ACTUATOR ASSY	1
20	2944.633	- SENSOR PLATE	1
21	2944.736	- 12W01 BUNDLE	1
22	1201.574	- BUNDLE HOLDER	2
23	2981.660	- ROLL BLOCK CATCH	2
24	2373.017	- RUNNING WHEEL	4
25	2236.032	- SPACER	1
29	2944.806	- BRACKET	1
30	2981.659	- ROLL HOLDER ASSY, UP TO 7035.20000	1
30A	7094.389	- ROLL HOLDER ASSY, FROM 7035.20000	1
36	2944.658	- - KNOB, UP TO 7035.20000	1
36A	7094.387	- - KNOB, FROM 7035.20000	1
39	2912.750	- PULSE DISK	1
40	2912.751	- O-RING	1
41	1201.226	- OPTO SENSOR	1
42	2944.807	- BRACKET	1

INDEX	PART NO.	DESCRIPTION	QTY
	43	2944.808 - PIN	1
	44	1988.048 - MANUAL SWITCH	1
	46	1201.572 - BUNDLE HOLDER	2
	47	1201.473 - BUSHING	1
	48	1201.204 - CABLE TIE	13
	49	1037.688 - EARTH WIRE	2
	50	1201.308 - BUNDLE HOLDER	5
	51	5584.713 - CONTROL PBA	1
	52	2646.225 - PBA FASTENER	5
	53	2953.477 - FIRMPACK	1
	54	2955.122 - 12W04 BUNDLE, UP TO 7050.25000, 7055.30000	1
		7175.996 - 12W04 BUNDLE, FROM 7050.25000, 7055.30000	1
	56	2944.771 - PLATE	1
90	7175.997	- BUNDLE 12W04-1	1
91	7175.998	- BUNDLE 12W04-2	1
		USE BUNDLE 7175.997 IF MACHINE NUMBER \geq 7055.30000 AND 1 ROLL-MODULE \leq 7035.22075	
		USE BUNDLE 7175.998 IF MACHINE NUMBER \leq 7055.29999 AND 1 ROLL-MODULE \geq 7035.22076	

Z-1211

Automatic 1 roll device, frame Océ 7035

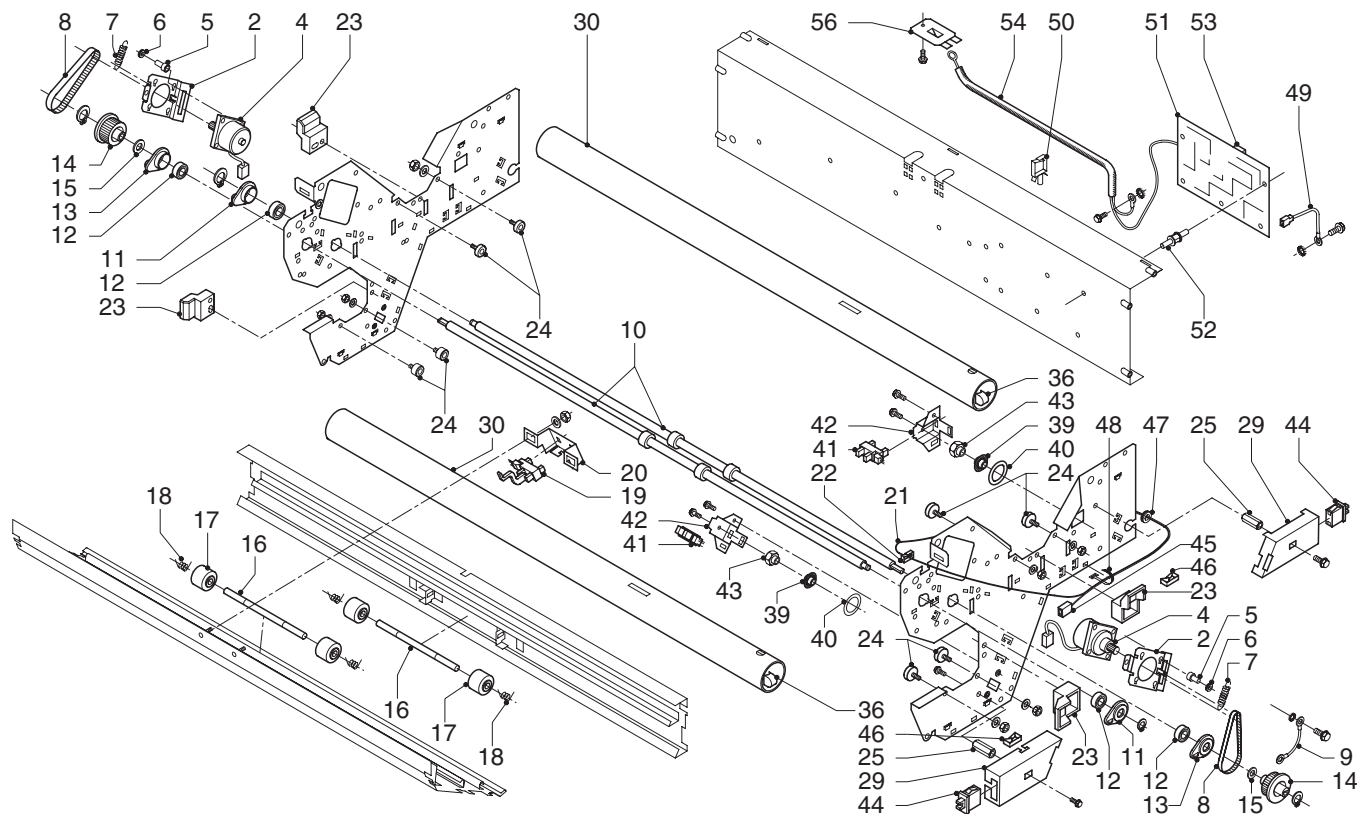


INDEX	PART NO.	DESCRIPTION	QTY
		AUTOMATIC 1 ROLL DEVICE. FRAME. Océ 7035	1
2	2944.638	- FRAME PLATE	1
3	2944.637	- FRAME PLATE	1
4	2955.125	- ELECTRO PLATE	1
5	2944.635	- PAPER LOWER PLATE	1
6	2944.628	- PAPER UPPER PLATE	1
7	2944.703	- BRACKET	6
8	2944.626	- PAPER FRONT PLATE	1
9	2944.821	- RIGHT BRACKET	1
10	2944.822	- LEFT BRACKET	1
11	2944.695	- SHAFT	1
12	2373.017	- RUNNING WHEEL	2
13	2944.700	- ELECTRO DOOR	1
17	2944.775	- COVER ASSY, UP TO 7035.20000	1
17A	7094.359	- COVER ASSY, FROM 7035.20000	1
18	2944.760	- RIGHT COVER, UP TO 7035.20000	1
18A	7094.357	- RIGHT COVER, FROM 7035.20000	1
19	2944.805	- BRACKET	1
20	2944.761	- LEFT COVER, UP TO 7035.20000	1
20A	7094.358	- LEFT COVER, FROM 7035.20000	1
21	2944.805	- BRACKET	1
22	2944.740	- COVER ASSY, UP TO 7035.20000	1
22A	7094.355	- COVER ASSY, FROM 7035.20000	1
23	2944.726	- COVER BRACKET	2
24	2944.655	- FRONT COVER, UP TO 7035.20000	1
24A	7094.354	- FRONT COVER, FROM 7035.20000	1
27	2912.387	- PIN	2
29	7048.599	- RIGHT RAIL ASSY	1
30	7048.600	- LEFT RAIL ASSY	1
31	2944.816	- RIGHT BRACKET	1
32	2944.630	- SWITCH PLATE	1
33	2955.124	- PROTECTION PLATE	1
34	2944.817	- LEFT BRACKET	1
35	2944.704	- POSITIONING BLOCK	2
36	1994.909	- ANTISTATIC BRUSH	1

INDEX	PART NO.	DESCRIPTION	QTY
37	2945.013	- ECCENTRIC	2
40	7048.550	- BRACKET, RIGHT	1
41	7048.549	- BRACKET, LEFT	1

Z-1215

Automatic 2 roll device, Océ 7036

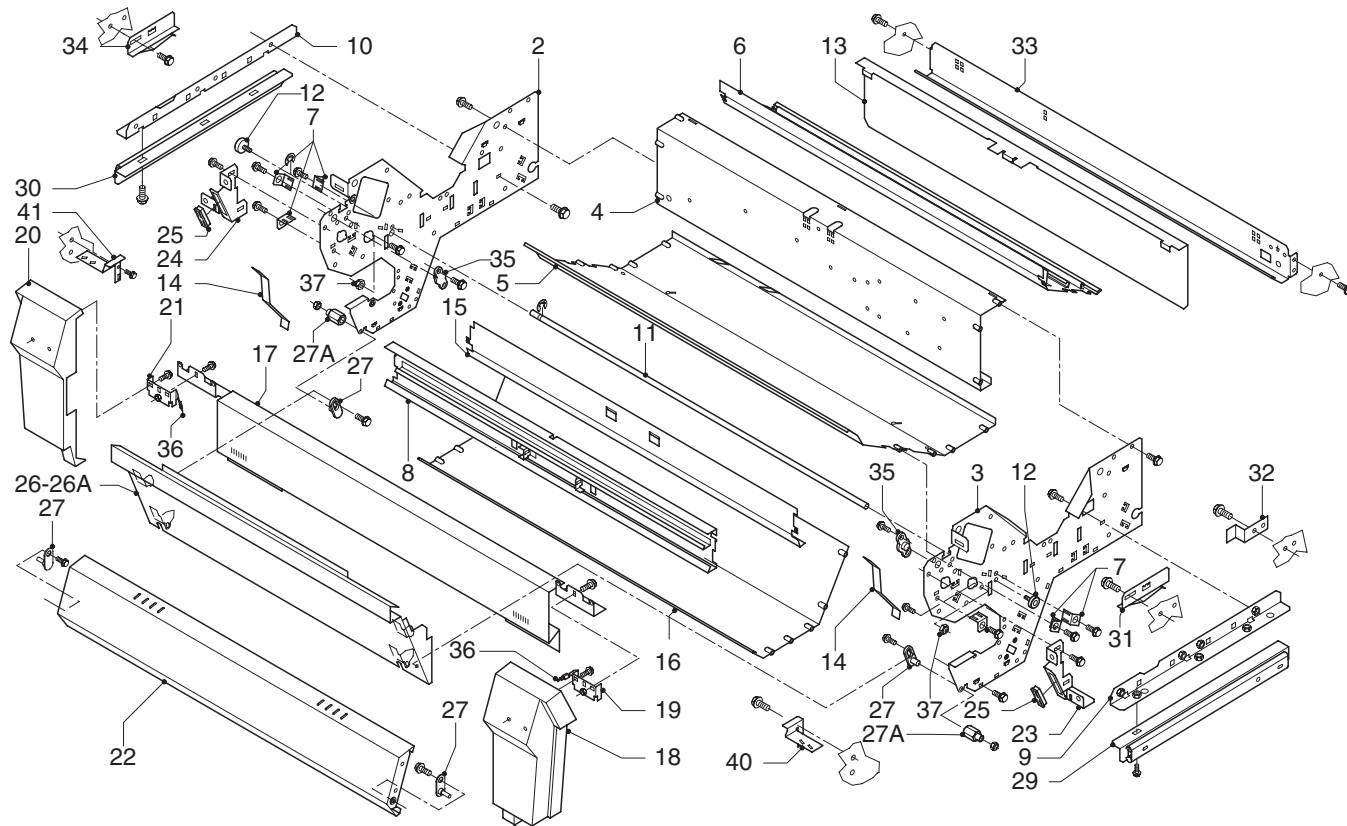


INDEX	PART NO.	DESCRIPTION	QTY
		AUTOMATIC 2 ROLL DEVICE. Océ 7036	1
2	2944.593	- MOTOR PLATE	2
4	2912.693	- DC STEP MOTOR	2
5	2912.699	- BUSH	4
6	2668.036	- GP GROMMET	8
7	3851.115	- TENSION SPRING	2
8	2333.064	- TIMING BELT	2
9	2912.367	- EARTH WIRE	2
10	2944.592	- DRIVE SHAFT	2
11	1033.513	- BEARING HOUSING	4
12	2351.008	- BALL BEARING	8
13	1033.514	- BEARING HOUSING	4
14	2912.685	- TIMING BELT PULLEY	2
15	3313.035	- RING	2
16	2944.586	- ROLLER SHAFT	2
17	2944.757	- COMPLETE ROLL	4
18	2944.584	- SPRING	4
19	2934.610	- ACTUATOR ASSY	1
20	2944.633	- SENSOR PLATE	1
21	2944.736	- 12W01 BUNDLE	1
22	1201.574	- BUNDLE HOLDER	2
23	2981.660	- ROLL BLOCK CATCH	4
24	2373.017	- RUNNING WHEEL	8
25	2236.032	- SPACER	2
29	2944.806	- BRACKET	2
30	2981.659	- ROLL HOLDER ASSY, UP TO 7036.20000	2
30A	7094.389	- ROLL HOLDER ASSY, FROM 7036.20000	2
36	2944.658	- - KNOB, UP TO 7036.20000	1
36A	7094.387	- - KNOB, FROM 7036.20000	1
39	2912.750	- PULSE DISK	2
40	2912.751	- O-RING	2
41	1201.226	- OPTO SENSOR	2
42	2944.807	- BRACKET	2

INDEX	PART NO.	DESCRIPTION	QTY
	43	2944.808 - PIN	2
	44	1988.048 - MANUAL SWITCH	2
	45	2944.738 - 12W03 BUNDLE	1
	46	1201.572 - BUNDLE HOLDER	4
	47	1201.473 - BUSHING	1
	48	1201.204 - CABLE TIE	13
	49	1037.688 - EARTH WIRE	1
	50	1201.308 - BUNDLE HOLDER	5
	51	5584.713 - CONTROL PBA	1
	52	2646.225 - PBA FASTENER	5
	53	2953.477 - FIRMPACK	1
	54	2955.122 - 12W04 BUNDLE, UP TO 7050.25000, 7055.30000	1
		7175.996 - 12W04 BUNDLE, FROM 7050.25000, 7055.30000	1
	56	2944.771 - PLATE	1
90	7175.997	- BUNDLE 12W04-1	1
91	7175.998	- BUNDLE 12W04-2	1
		USE BUNDLE 7175.997 IF MACHINE NUMBER \geq 7055.30000 AND 2 ROLLS-MODULE \leq 7036.24793	
		USE BUNDLE 7175.998 IF MACHINE NUMBER \leq 7055.29999 AND 2 ROLLS-MODULE \geq 7036.24794	

Z-1216

Automatic 1 roll device, frame Océ 7036

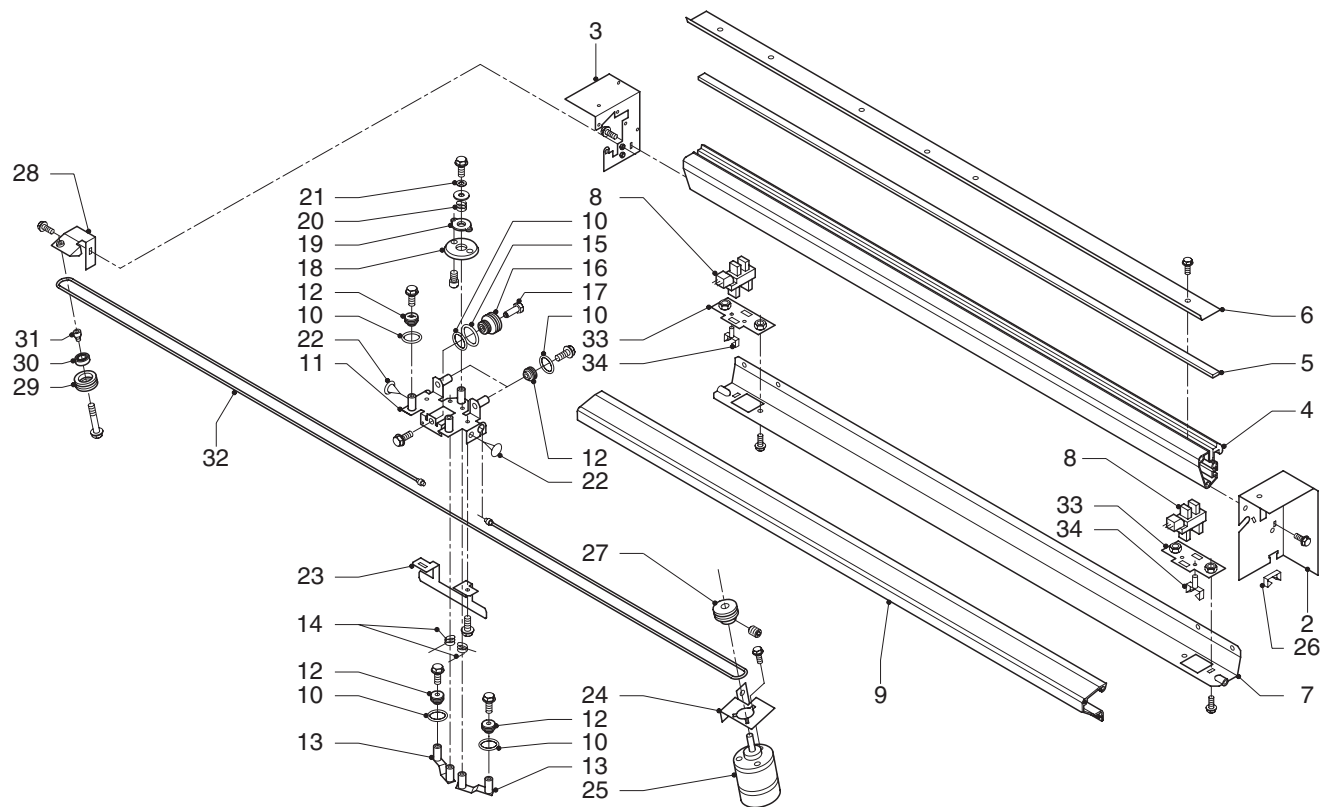


INDEX	PART NO.	DESCRIPTION	QTY
		AUTOMATIC 2 ROLL DEVICE. FRAME. Océ 7036	1
2	2944.643	- FRAME PLATE	1
3	2944.642	- FRAME PLATE	1
4	2955.125	- ELECTRO PLATE	1
5	2944.635	- PAPER LOWER PLATE	1
6	2944.628	- PAPER UPPER PLATE	1
7	2944.703	- BRACKET	6
8	2944.728	- PAPER FRONT PLATE	1
9	2944.821	- RIGHT BRACKET	1
10	2944.822	- LEFT BRACKET	1
11	2944.695	- SHAFT	1
12	2373.017	- RUNNING WHEEL	2
13	2944.700	- ELECTRO DOOR	1
14	2934.691	- LEAF SPRING, UP TO 7036.00977	2
15	2944.627	- PAPER REAR PLATE	1
16	2944.640	- PLATE	1
17A	2944.775	- COVER ASSY, UP TO 7036.20000	1
	7094.359	- COVER ASSY, FROM 7036.20000	1
18	2944.760	- RIGHT COVER, UP TO 7036.20000	1
18A	7094.357	- RIGHT COVER, FROM 7036.20000	1
19	2944.805	- BRACKET	1
20	2944.761	- LEFT COVER, UP TO 7036.20000	1
20A	7094.358	- LEFT COVER, FROM 7036.20000	1
21	2944.805	- BRACKET	1
22	2944.740	- COVER ASSY, UP TO 7036.20000	1
22A	7094.355	- COVER ASSY, FROM 7036.20000	1
23	2944.701	- RIGHT BRACKET	1
24	2944.702	- LEFT BRACKET	1
25	1016.735	- MAGNETIC CATCH, UP TO 7036.00977	2
26	2944.629	- FRONT DOOR, UP TO 7036.00977	1
26A	2981.656	- FRONT DOOR, FROM 7036.00977 AND UP TO 7036.20000	1
26B	7094.384	- FRONT DOOR, FROM 7036.20000	1
27	2912.387	- PIN, UP TO 7036.00977	4

INDEX	PART NO.	DESCRIPTION	QTY
27A	2981.650	- BUSH, FROM 7036.00977	2
29	7048.599	- RIGHT RAIL ASSY	1
30	7048.600	- LEFT RAIL ASSY	1
31	2944.816	- RIGHT BRACKET	1
32	2944.630	- SWITCH PLATE	1
33	2955.124	- PROTECTION PLATE	1
34	2944.817	- LEFT BRACKET	1
35	2944.704	- POSITIONING BLOCK	2
36	1994.909	- ANTISTATIC BRUSH	1
37	2945.013	- ECCENTRIC	2
40	7048.550	- BRACKET, RIGHT	1
41	7048.549	- BRACKET, LEFT	1

Z-1217

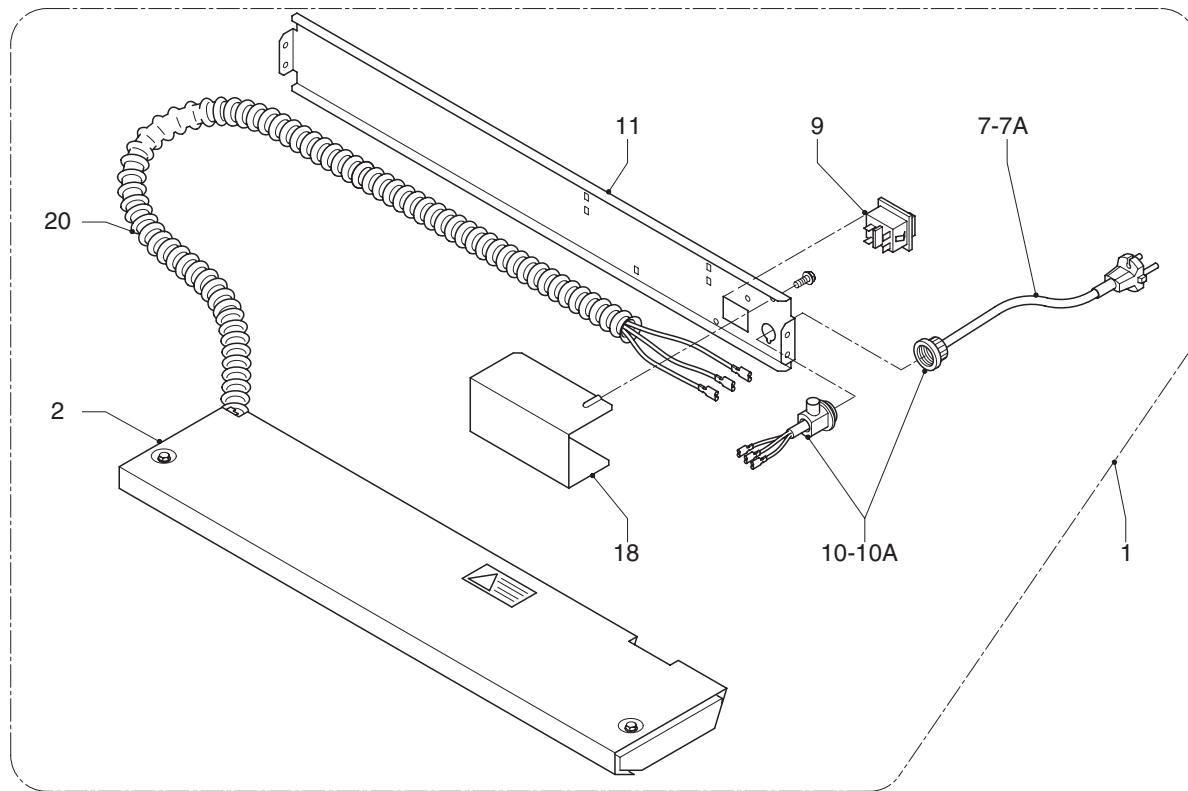
Papercutting unit, Océ 7035-7036



INDEX	PART NO.	DESCRIPTION	QTY
		PAPERCUTTING UNIT. Océ 7035-7036	1
2	2944.614	- FRAME PLATE	1
3	2955.085	- FRAME PLATE	1
4	2955.046	- KNIFE SUPPORT PROFILE	1
5	7174.784	- LINEAR KNIFE	1
6	7048.554	- KNIFE PLATE	1
7	2944.665	- PAPERCLAMP PLATE	1
8	1201.226	- OPTO SENSOR	2
9	2955.044	- GUIDE PROFILE	1
10	2955.048	- O-RING	7
11	2955.036	- CARRIAGE PLATE	1
12	2944.668	- RUNNING WHEEL	6
13	2955.041	- SPRING PLATE	2
14	2955.079	- TORSION SPRING	2
15	2955.040	- O-WHEEL	1
16	2955.047	- O-RING	1
17	2955.039	- PIN	1
18	7174.783	- CIRCULAR KNIFE	1
19	2944.677	- HOLDER	1
20	2944.682	- COMPRESSION SPRING	1
21	1037.235	- WASHER	1
22	1014.555	- STOP	2
23	2955.050	- ACTUATOR PLATE	1
24	2944.625	- MOTOR BRACKET	1
25	1933.175	- DC MOTOR	1
26	1201.574	- BUNDLE HOLDER	1
27	2944.619	- BELT ROUND PULLEY	1
28	2944.622	- PULLEY BRACKET	1
29	2944.621	- BELT ROUND PULLEY	1
30	2351.007	- BALL BEARING	1
31	2965.230	- BEARING SUPPORT	1
32	2944.669	- CORD ASSY	1
33	2944.846	- PLATE	2
34	1201.957	- BUNDLE HOLDER	3

Z-1250

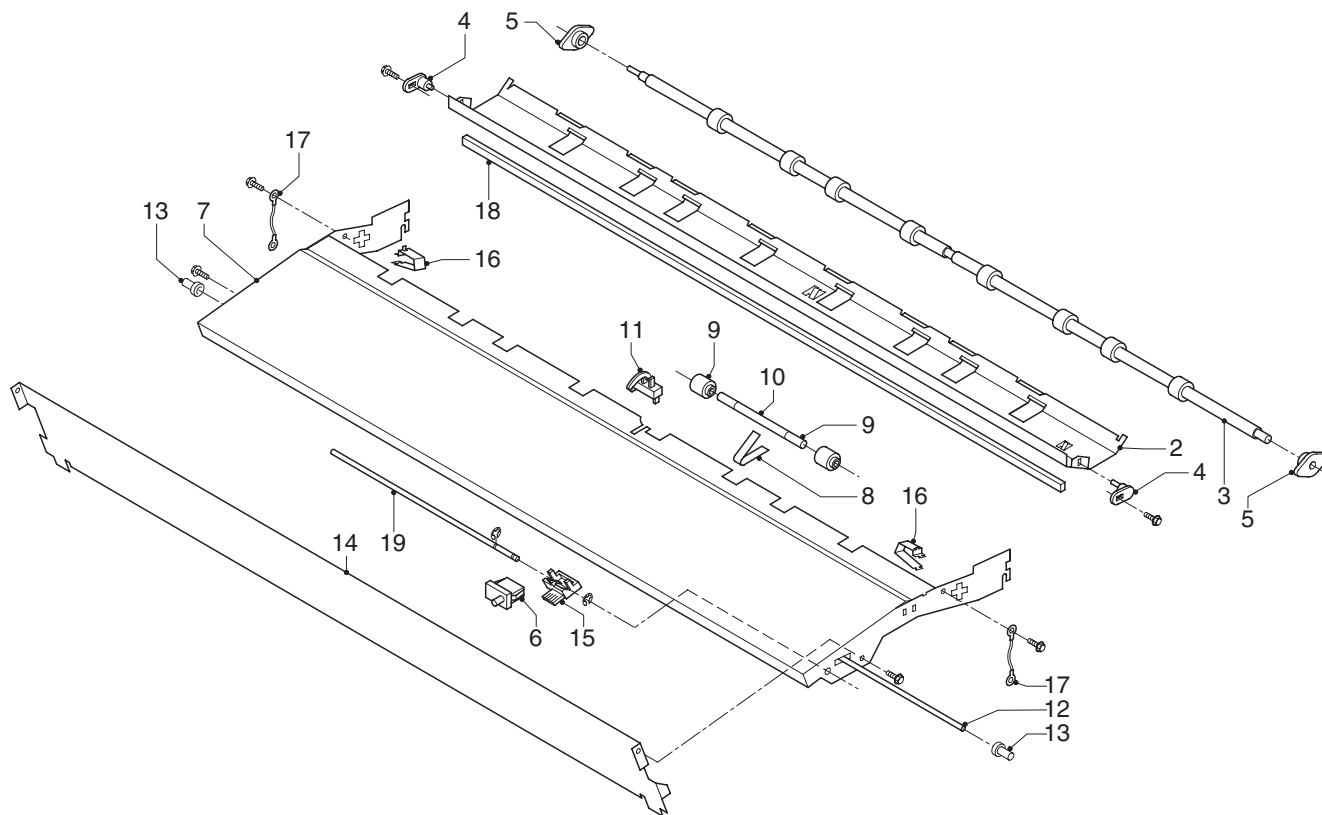
Dew preventer, Océ 7037



INDEX	PART NO.	DESCRIPTION	QTY
		DEW PREVENTER, Océ 7037	1
1	5799.605	- DEW PREVENTER ASSY, MANUAL ROLL 230V	1
	5799.606	- DEW PREVENTER ASSY, MANUAL ROLL 120V	1
	5799.607	- DEW PREVENTER ASSY, 1 + 2 ROLL 230V	1
	5799.608	- DEW PREVENTER ASSY, 1 + 2 ROLL 120V	1
2	2945.087	- DEW PREVENTER ASSY, 230V	1
	7208.940	- DEW PREVENTER ASSY 100/115V	1
7	1201.864	- MAINS CONNECTION CABLE, 230V	1
7A	1302.014	- MAINS CONNECTION CABLE, 100/115V	1
9	1202.042	- MANUAL SWITCH	1
10	2912.703	- STRAIN RELIEF, 230V	1
10A	2268.002	- STRAIN RELIEF, 100/115V	1
11	2944.947	- PROTECTION PLATE, ONLY FOR MANUAL ROLL DEVICE	1
18	2944.773	- BOX	1
20	2926.823	- BUNDLE 12W05	1

Z-1500

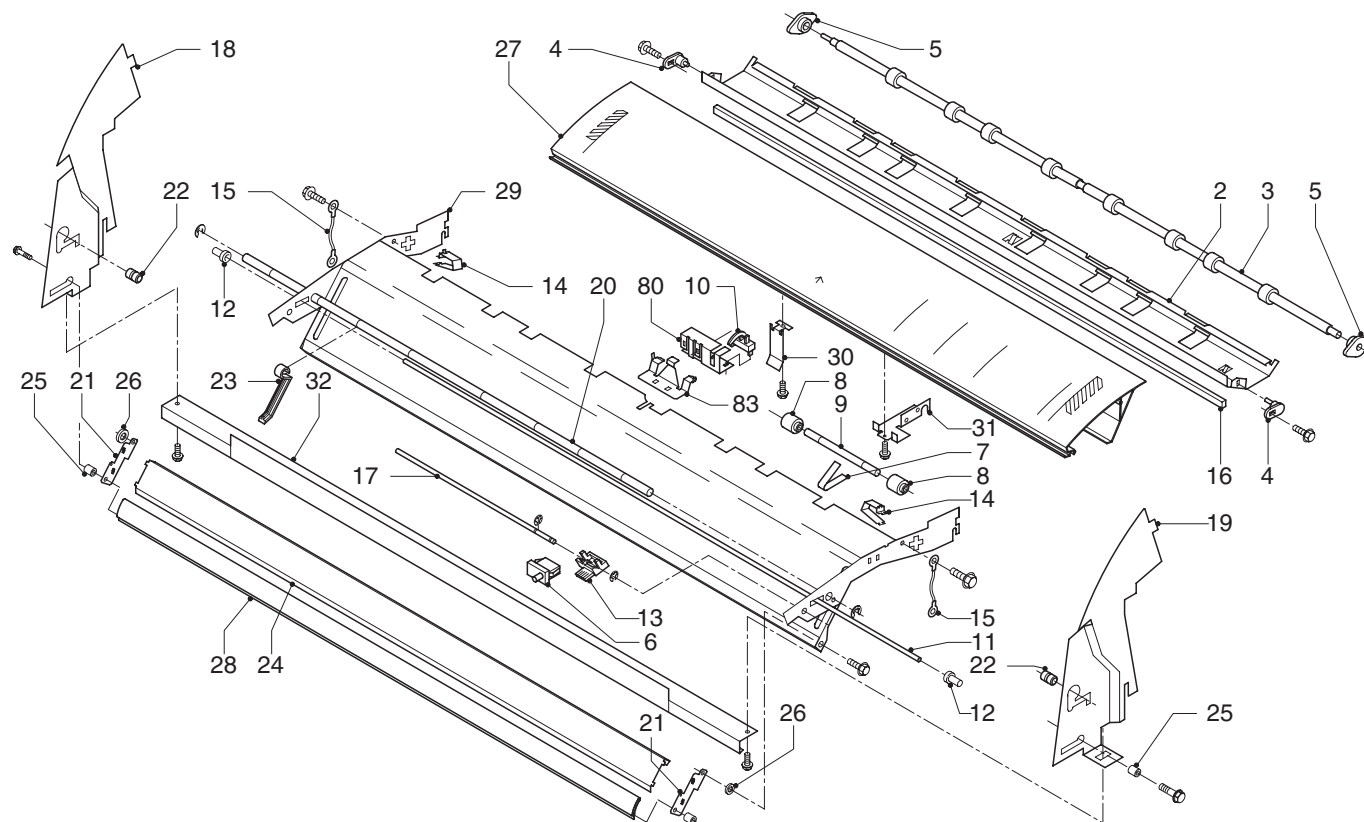
Paper feed section



INDEX		PART NO.	DESCRIPTION	QTY
7A			PAPER FEED SECTION	1
	2	7094.708	- GUIDE PLATE	1
	3	2912.346	- PAPER ROLLER	1
	4	2912.387	- PIN	2
	5	2912.396	- PLAIN BEARING	2
	6	1034.197	- BUTTON SWITCH	1
	7	2912.393	- PRINTED PAPERFEED, UP TO 7050.20000, 7055.20000	1
		7083.684	- PRINTED PAPERFEED, FROM 7050.20000, 7055.20000	1
	8	2912.356	- PLATE	4
	9	2912.363	- PRESSURE ROLL	8
	10	2912.362	- SHAFT	4
	11	2912.357	- ACTUATOR ASSY	1
	12	2912.360	- SHAFT	1
	13	2912.471	- CAP	2
	14	2912.353	- GUARDING PLATE	1
	15	7083.750	- HANDLE, UP TO 7050.20000	2
		2912.559	- HANDLE, FROM 7050.20000	2
	16	2945.085	- LEAF SPRING	2
	17	2912.367	- EARTH WIRE	1
15A	18	1828.012	- DRAUGHT STRIP	1
	19	2912.565	- SHAFT	2

Z-1505

Paper feed section, automatic roll

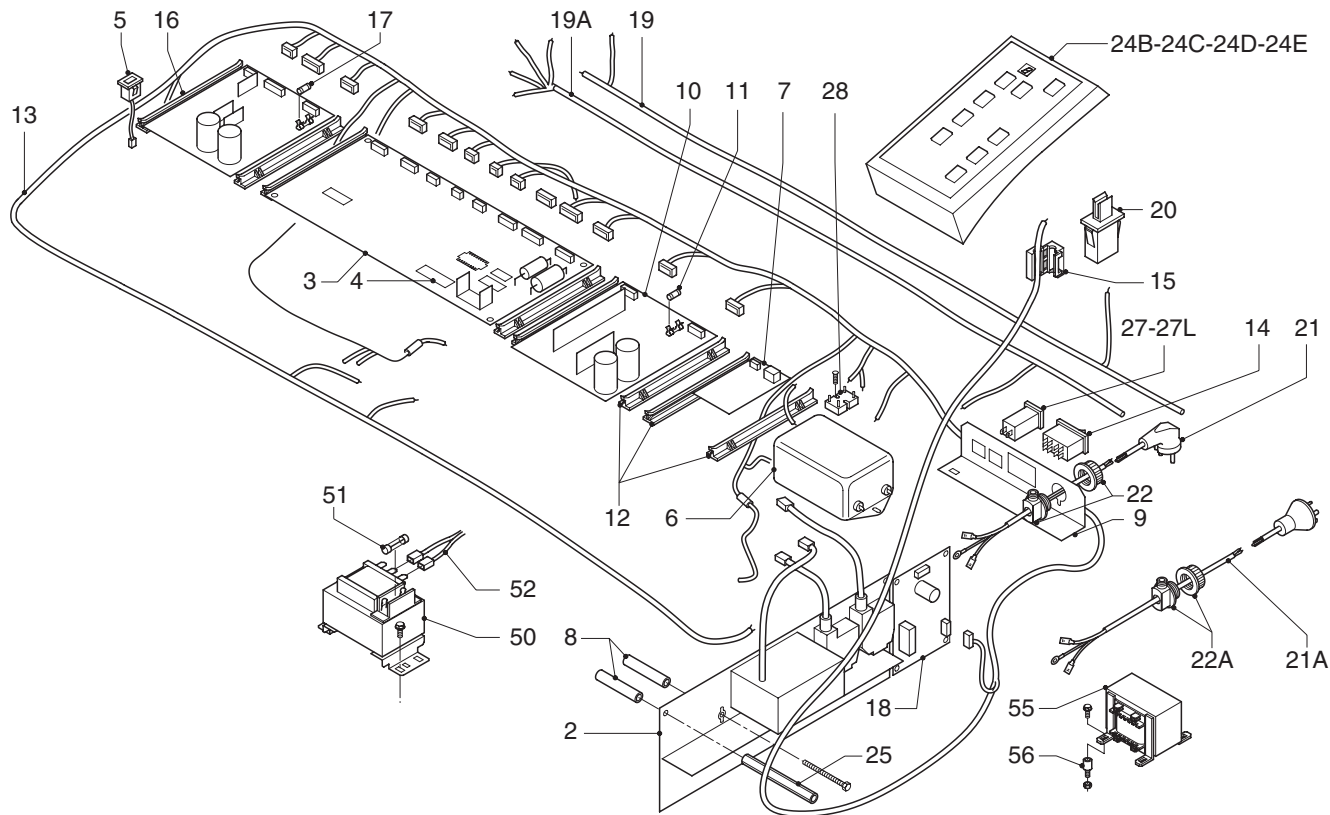


INDEX	PART NO.	DESCRIPTION	QTY
		PAPER FEED SECTION. AUTOMATIC ROLL	1
2	7094.708	- GUIDE PLATE	1
3	2912.346	- PAPER ROLLER	1
4	2912.387	- PIN	2
5	2912.396	- PLAIN BEARING	2
6	1034.197	- BUTTON SWITCH	1
7	2912.356	- PLATE	4
8	2912.363	- PRESSURE ROLL	8
9	2912.362	- SHAFT	4
10	2912.357	- ACTUATOR ASSY	1
11	2912.360	- SHAFT	1
12	2912.471	- CAP	2
13A	2912.559	- HANDLE, UP TO 7050.20000	2
	7083.750	- HANDLE, FROM 7050.20000	2
14	2945.085	- LEAF SPRING	2
15	2912.367	- EARTH WIRE	1
16	1828.012	- DRAUGHT STRIP	1
17	2912.565	- SHAFT	2
18	2955.088	- SIDE PLATE, UP TO 7050.20000, 7055.20000	1
18A	7083.723	- SIDE PLATE, FROM 7050.20000, 7055.20000	1
19	2955.089	- SIDE PLATE, UP TO 7050.20000, 7055.20000	1
19A	7083.724	- SIDE PLATE, FROM 7050.20000, 7055.20000	1
20	2944.608	- LEVER SHAFT	1
21	2955.093	- SIDE PLATE	2
22	2955.100	- PIN	2
23	2944.601	- BLOUSE LEVER	8
24	2944.604	- POST PLATE	1
25	2955.092	- BUSH	2
26	2944.748	- BUSH	2
27	2955.082	- PAPERFEED TABLE, UP TO 7050.20000, 7055.20000	1

INDEX	PART NO.	DESCRIPTION	QTY
27A	7083.688	- PAPERFEED TABLE, FROM 7050.20000, 7055.20000	1
28	2955.084	- PAPER GUIDE	1
29	2977.122	- PAPERFEED ASSY, UP TO 7050.20000, 7055.20000	1
29A	7048.691	- PAPERFEED ASSY, FROM 7050.20000, 7055.20000	1
30	2955.086	- SWITCH PLATE	1
31	7048.597	- BRACKET	2
32	2944.719	- GUIDE PLATE	1
80	7048.673	- SENSOR BRACKET	1
83	7048.674	- SPRING PLATE	1

Z-2200

Control section



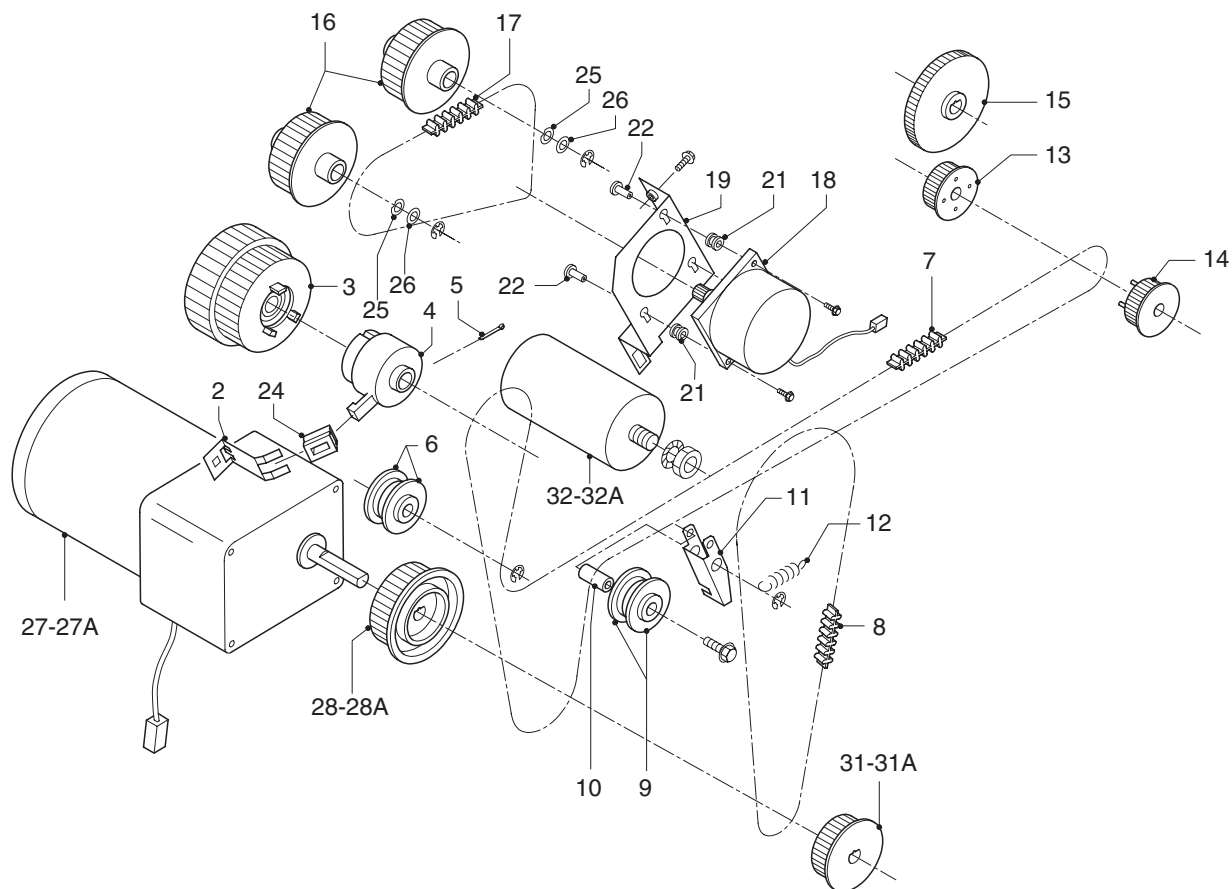
INDEX		PART NO.	DESCRIPTION	QTY
3A	2	5583.586	CONTROL SECTION	1
	3	5584.843	- HIGH-VOLT PBA	1
	3	5584.843	- UP-CONTROL PBA, UP TO 7050.25000, 7055.30000	1
4A	4	5584.721	- UP-CONTROL PBA, FROM 7050.25000, 7055.30000	1
	4	2967.710	- FIRMPACK, UP TO 7050.25000, 7055.30000	1
5A	5	7175.919	- FIRMPACK, FROM 7050.25000, 7055.30000	1
	5	2926.774	- COUNTER, UP TO MOD. 12	1
6A	6	7127.917	- COUNTER, FROM MOD. 12	1
	6	2926.772	- RFI FILTER	1
7A	7	5583.589	- DISTRIBUTION PBA, UP TO 7050.25000, 7055.30000	1
	7	5583.589	- DISTRIBUTION PBA, FROM 7050.25000, 7055.30000	1
13A	8	5584.482	- BUSH	6
	9	2912.506	- BRACKET	1
	10	2912.430	- LOW VOLT PBA	1
	11	5583.580	- - FUSE-4A S 5X20	1
	12	1202.076	- PRINTED GUIDE	8
	13	2926.758	- BUNDLE 22W02, UP TO 7050.25000, 7055.30000	1
	13	2926.813	- BUNDLE 22W02, FROM 7050.25000, 7055.30000	1
	14	1202.042	- MANUEL SWITCH	1
	15	2926.768	- FERRITE SLEEVE	1
	16	5583.576	- EXPOSURE PBA	1
19A	17	1301.801	- - FUSE-2A S 5X20	1
	18	5583.901	- STEP-MO PBA	1
	19	7048.579	- BUNDLE 22W04, 230V-50/60 Hz, UP TO 7050.25000, 7055.30000	1
	19	7175.712	- BUNDLE 22W04, 230V-50/60 Hz, FROM 7050.25000, 7055.30000	1
	19A	7048.580	- BUNDLE 22W05, 115V-60Hz, UP TO 7050.25000, 7055.30000	1
	19A	7175.713	- BUNDLE 22W05, 115V-60Hz, FROM 7050.25000, 7055.30000	1
	19A	7175.713	- BUNDLE 22W05, 115V-60Hz, FROM 7050.25000, 7055.30000	1

INDEX		PART NO.	DESCRIPTION	QTY
20	20	2926.762	- INTERLOCK-2X2P SWITCH, 230V-50/60Hz	1
	20L	2926.762	- INTERLOCK-2X2P SWITCH, 115V-60Hz	2
	21	1201.864	- MAINS CONNECTION CABLE, 230V-50/60Hz	1
21A	21A	1302.014	- MAINS CONNECTION CABLE, 115V-60Hz	1
	22	2912.703	- STRAIN RELIEF, 230V-50/60Hz	1
22A	22A	2268.002	- STRAIN RELIEF, 115V-60Hz	1
	24B	2955.090	- CONSOLE AUTOM. 1 ROLL (7055), UP TO 7055.20000	1
24BB	24BB	7083.691	- CONSOLE AUTOM. 1 ROLL (7055), FROM 7055.20000	1
	24C	2955.035	- CONSOLE AUTOM. 2 ROLL (7056), UP TO 7055.20000	1
24CC	24CC	7083.692	- CONSOLE AUTOM. 2 ROLL (7056), FROM 7055.20000	1
	24D	2944.919	- CONSOLE MANUAL ROLL, BASIC (7050), UP TO 7050.20000	1
24DD	24DD	7083.690	- CONSOLE MANUAL ROLL, BASIC (7050), FROM 7050.20000	1
	24E	2944.920	- CONSOLE MANUAL ROLL, RETENTION (7051), UP TO 7050.20000	1
24EE	24EE	7083.695	- CONSOLE MANUAL ROLL, RETENTION (7051), FROM 7050.20000	1
	25	2955.032	- STUD	1
27	27	1201.868	- 1P CIRCUIT BREAKER, 230V-50/60Hz	1
	27L	1201.955	- 1P CIRCUIT BREAKER, 115V-60Hz	2
28	28	1201.862	- SSR 250V AC 20A, UP TO 7050.25000, 7055.30000	1
	28A	1302.507	- SSR 250V AC 20A, FROM 7050.25000, 7055.30000	1
50	50	7018.018	- TRANSFORMER ASSY 100-115V	1

INDEX	PART NO.	DESCRIPTION	QTY
52A	51 1300.396	- - FUSE 4A, SLOW	1
	52 7018.011	- BUNDLE 22W09, UP TO 7050.25000, 7055.30000	1
	7175.714	- BUNDLE 22W09, FROM 7050.25000, 7055.30000	1
	2977.974	- CHOKE, FROM 7050.25000, 7055.30000	1
55			
56	7128.951	- BUFFER, FROM 7050.25000, 7055.30000	1

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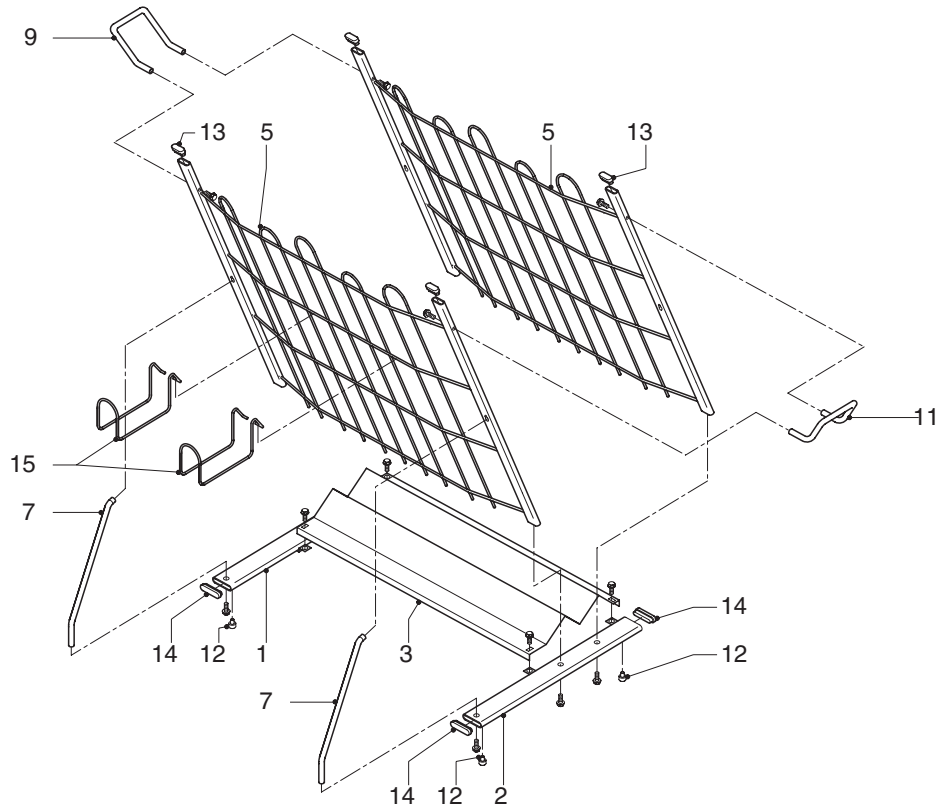
Drive section



INDEX	PART NO.	DESCRIPTION	QTY
		DRIVE SECTION	1
2	2912.689	- BRACKET	1
3	2912.694	- GEAR/PULLEY ASSY	1
4	7024.023	- CLUTCH EC20	1
5	2254.027	- SPLIT PIN	1
6	2912.686	- ROLL	2
7	2333.301	- TIMING BELT	1
8	2333.215	- TIMING BELT	1
9	2912.686	- ROLL	2
10	2912.687	- BUSH	1
11	2912.688	- BRACKET	1
12	3851.141	- TENSION SPRING	1
13	2912.681	- GEAR 30	1
14	2912.682	- TIMING BELT PULLEY	1
15	2912.683	- GEAR 48	1
16	2912.685	- TIMING BELT PULLEY	2
17	2333.102	- TIMING BELT	1
18	2912.693	- DC STEP MOTOR	1
19	2912.690	- BRACKET	1
21	2668.036	- GROMMET	3
22	2912.699	- BUSH	2
24	2933.960	- BUFFER	1
25	2912.717	- WAVE WASHER	2
26	1006.269	- RING	2
27	2912.463	- MOTOR 230V	1
27A	2912.698	- MOTOR 115V	1
28	2912.676	- TIMING BELT PULLEY 230V 50Hz	1
28A	2912.677	- TIMING BELT PULLEY 115/230V 60Hz	1
31	2912.678	- TIMING BELT PULLEY 230V 50Hz	1
31A	2912.679	- TIMING BELT PULLEY 115/230V 60Hz	1
32	1201.240	- CAPACITOR 10UF 400V 230V 50/60Hz	1
32A	1201.237	- CAPACITOR 5UF 400V 115V 60Hz	1

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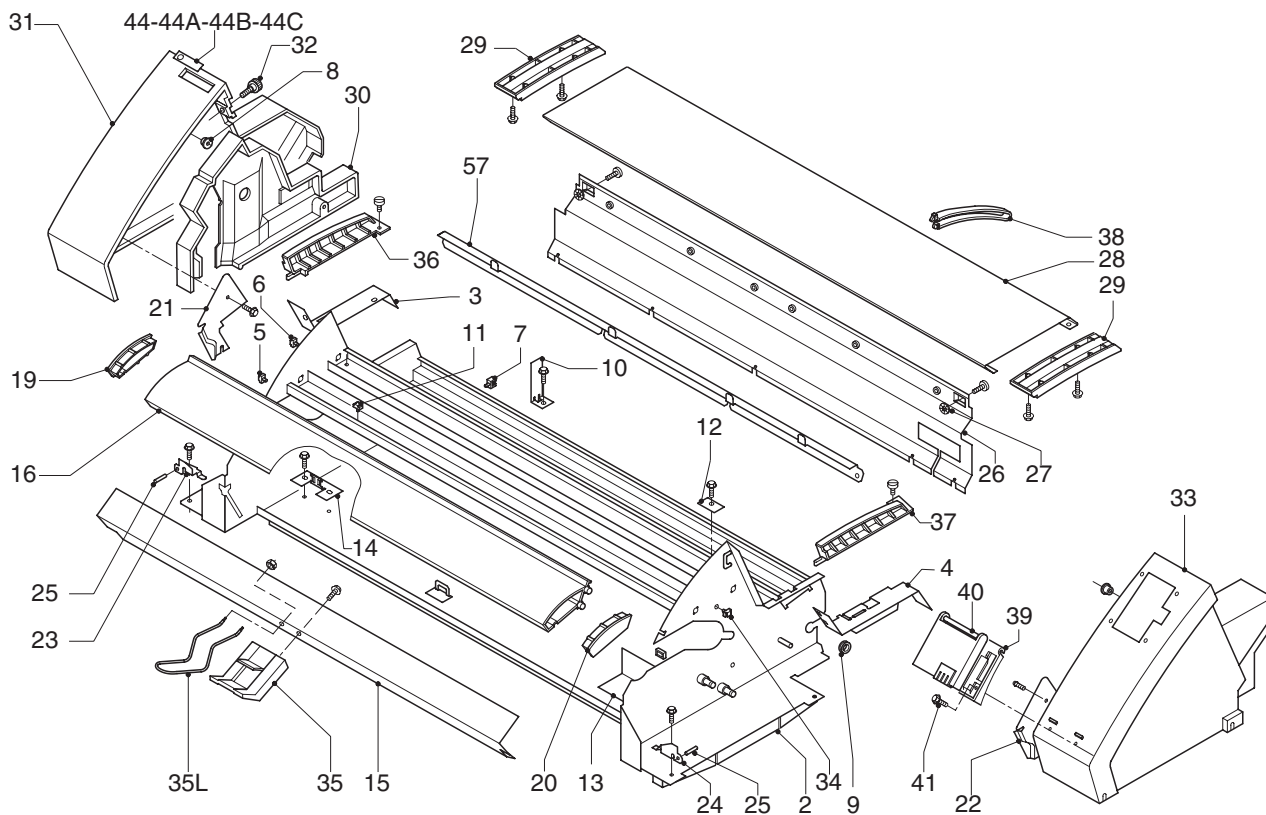
Stand A0, Océ 7033



INDEX		PART NO.	DESCRIPTION	QTY
1A	1	2944.904	STAND A0, Océ 7033	1
		7094.375	- PROFILE ASSY, OLD COLOUR	1
2A	2	7094.375	- PROFILE ASSY, NEW COLOUR	1
		2944.905	- PROFILE ASSY, OLD COLOUR	1
3A	3	7094.376	- PROFILE ASSY, NEW COLOUR	1
		2944.902	- PLATE, OLD COLOUR	1
5A	5	7094.374	- PLATE, NEW COLOUR	1
		2944.901	- RACK, OLD COLOUR	2
7A	7	7094.373	- RACK, NEW COLOUR	2
		2944.896	- ROD, OLD COLOUR	2
9A	9	7094.370	- ROD, NEW COLOUR	2
		2944.897	- RIGHT HANDLE, OLD COLOUR	1
11A	11	7094.371	- RIGHT HANDLE, NEW COLOUR	1
		2944.898	- LEFT HANDLE, OLD COLOUR	1
13A	13	7094.372	- LEFT HANDLE, NEW COLOUR	1
		2955.030	- CAP	4
15A	15	2944.796	- STOP	4
		2944.798	- STOP	4
17A	17	2944.976	- ROLL BRACKET, OLD COLOUR	4
		7094.377	- ROLL BRACKET, NEW COLOUR	4

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Frame and covering



INDEX					INDEX				
PART NO.		DESCRIPTION			PART NO.		DESCRIPTION		
3A			FRAME AND COVERING	1	26A	23	2945.097	- HINGE BRACKET L	2
	2	2912.326	- FRAME ASSY	1		24	2945.098	- HINGE BRACKET R	2
	3	2912.390	- LEFT PLATE, UP TO MOD. 12	1		25	2912.412	- PIN	4
		7048.553	- LEFT PLATE, FROM MOD. 12	1		26	2944.850	- GUARDING PLATE, UP TO 7050.20000, 7055.20000	1
	4	7128.985	- RIGHT PLATE	1			7083.715	- GUARDING PLATE, FROM 7050.20000, 7055.20000	1
	5	1201.307	- BUNDLE HOLDER	27	28A	27	2912.474	- WASHER	2
	6	1201.308	- BUNDLE HOLDER	4		28	2912.407	- ORIGINAL PLATE, UP TO 7050.20000, 7055.20000	1
	7	1201.309	- BUNDLE HOLDER	6			7083.702	- ORIGINAL PLATE, FROM 7050.20000, 7055.20000	1
	8	2926.766	- CLOSED BUSHING	2		29	2912.408	- FORMING COVER, UP TO 7050.20000, 7055.20000	3
	9	1201.473	- BUSHING	2			7083.703	- FORMING COVER, FROM 7050.20000, 7055.20000	3
	10	2926.649	- BRACKET	1	31A	30	2912.469	- INSIDE COVER	1
	11	1201.957	- BUNDLE HOLDER	4		31	2912.401	- LEFT COVER, UP TO 7050.20000, 7055.20000	1
	12	2912.505	- PLATE	1			7083.698	- LEFT COVER, FROM 7050.20000, 7055.20000	1
	13	1201.572	- BUNDLE HOLDER	1		32	2912.507	- KNOB	1
	14	2912.624	- PLATE	1		33	7083.699	- RIGHT COVER, UP TO 7050.20000, 7055.20000	1
15A	15	2944.811	- FRONT PLATE, UP TO 7050.20000, 7055.20000	1	33A		7083.699	- RIGHT COVER, FROM 7050.20000, 7055.20000	1
		7083.714	- FRONT PLATE, FROM 7050.20000, 7055.20000	1		34	1201.954	- BUNDLE HOLDER	2
16A	16	2945.217	- ORIGINALFEED TABLE ASSY, UP TO 7050.20000, 7055.20000	1		35	2912.445	- ORIGINAL RECEIVER (7050-7051), UP TO 7050.20000	1
		7083.685	- ORIGINALFEED TABLE ASSY, FROM 7050.20000, 7055.20000	1	35A		7083.705	- ORIGINAL RECEIVER (7050-7051), FROM 7050.20000	1
19A	19	2912.415	- LEFT STOP, UP TO 7050.20000, 7055.20000	1		35L	2944.883	- ORIGINAL RECEIVER (7055-7056), UP TO 7055.20000	1
		7083.704	- LEFT STOP, FROM 7050.20000, 7055.20000	1	35LL		7083.716	- ORIGINAL RECEIVER (7055-7056), FROM 7055.20000	1
20A	20	2912.515	- RIGHT STOP, UP TO 7050.20000, 7055.20000	1		36	2912.508	- GUARDING COVER L, UP TO 7050.20000, 7055.20000	1
		7083.708	- RIGHT STOP, FROM 7050.20000, 7055.20000	1	36A		7083.706	- GUARDING COVER L, FROM 7050.20000, 7055.20000	1
21A	21	2912.405	- SIDE PLATE L (7050-7051), UP TO 7050.20000	1					
		7083.700	- SIDE PLATE L (7050-7051), FROM 7050.20000	1					
22A	22	2912.406	- SIDE PLATE R (7050-7051), UP TO 7050.20000	1					
		7083.701	- SIDE PLATE R (7050-7051), FROM 7050.20000	1					

INDEX	PART NO.	DESCRIPTION	QTY
37A	37 2912.509	- GUARDING COVER R, UP TO 7050.20000, 7055.20000	1
	7083.707	- GUARDING COVER R, FROM 7050.20000, 7055.20000	1
38A	38 2912.710	- PAPER LIP, UP TO 7050.20000, 7055.20000	5
	7083.710	- PAPER LIP, FROM 7050.20000, 7055.20000	5
40A	39 7083.712	- TRAY	1
	40 2912.778	- FLAP, UP TO 7050.20000, 7055.20000	1
	7083.713	- FLAP, FROM 7050.20000, 7055.20000	1
	41 2912.513	- SCREW	2
	44 2912.780	- NAME PLATE 7050	1
	44A 2944.802	- NAME PLATE 7051	1
	44B 2912.781	- NAME PLATE 7055	1
	44C 2944.803	- NAME PLATE 7056	1
	57 7095.165	- STRIP, CLAMP SAFETY, FROM 7050.25000, 7055.30000	1



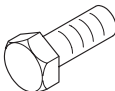
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Tools







INDEX	PART NO.	DESCRIPTION	QTY
		TOOLS	1
1	0831.382	- SERVICE TEST ORIGINAL	1
2	7991.238	- AGFA GREY SCALE	1
3	1068.117	- CLEANER A, ASSY (EXPOSURE GLASS)	1
4	1055.452	- CLEANER O, ASSY (LENS ARRAY)	1
5	1055.449	- CLEANER R, ASSY (GRID WIRE)	1
6	1929.023	- CLEANER K, ASSY (DRUM, OUTPUT ROLLERS)	1
7	0109.180	- DRUM REPORTING CARD	1
8	0109.631	- LOGBOOK	1
10	0109.632	- LOGBOOK CARD	1
11	1989.916	- CLEANER T: GB. ES. PT. NO. SE. FI	1
12	1989.750	- CLEANER T: US	1
13	1990.072	- CLEANER T: GB. NL. DE. DK. IT	1
14	5631.219	- CONDUCTIVE GREASE	1
15	1068.104	- CLEANER A	1
16	7991.255	- MASSLIN TOWELS	1



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Fastening materials

PART NO.	SIZE			QTY ASSY
Pan head tapping screw				
				
2113.013	2,9	x	13	2
2113.075	3,9	x	19	4
Hexagon tapping screw				
				
2113.361	3,5	x	6	27
2113.362	3,5	x	9	12
2113.363	3,5	x	13	15
2113.371	4,2	x	9	124
2113.372	4,2	x	13	107
2113.374	2	x	25	3
Hexagon bolt				
				
2121.091	M4	x	55	8

PART NO.	SIZE			QTY ASSY
Hexagon washer bolt				
				
2121.459	M3	x	8	8
2121.460	M3	x	10	12
2121.479	M4	x	8	46
2121.480	M4	x	10	30
2121.481	M4	x	12	45
2121.482	M4	x	16	13
2121.484	M4	x	20	7
2121.485	M4	x	25	8
Cheese head screw (zinc plated)				
				
2151.379	M4	x	8	4
2151.380	M4	x	10	12
2151.385	M4	x	25	1
Counter sunk screw				
				
2161.281	M4	x	12	10
Set screw				
				
2181.538	M3	x	6	1

PART NO.	SIZE			QTY ASSY
Hexagon nut				
				
2211.008	M4			4
Flat washer				
 				
	A			B
2231.012	A	-	10,5	3
2231.028	B	-	4,2	15
2231.030	B	-	6,4	1
Lock washer				
 				
2235.028	A	-	4,3	10
2235.108	A	-	4	4
E-ring				
				
2251.011	E	-	5	55
2251.012	E	-	7	5
2251.013	E	-	9	4

PART NO.	SIZE			QTY ASSY
Outer circlip				
				
2251.112	18	x	0.8	9
2251.113	10	x	1	4
Outer circlip				
				
2251.210	8	x	1	4